

Sigma-Aldrich®

Lab Materials & Supplies

Discover
MORE
with **LESS**

**Your favorite antibodies now
in 25µg or µL sizes**

New! Small Pack Size Antibodies

The path to discovery starts with highly characterized antibodies with extensively published results and unmatched expertise. Now many of your favorite antibodies are available in smaller, more convenient packaging.

With more than 132 products available, your research can benefit from:

- Affordable options when exploring new antibodies
- Convenient quantities packaged to better fit your needs
- Reduced product waste
- Available inventory

Learn more at:

**[MerckMillipore.com/
antibodies](http://MerckMillipore.com/antibodies)**

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

MERCK



Discover your next Bioguaranteed antibody packaged in our new smaller, convenient size.

Apoptosis & Cancer

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-VDAC (rabbit polyclonal)	AB10527-25UG	9	Apoptosis - Additional	WB	H,M,R,B,Eq,Rh,Chp,Po	Rb
Anti-LAMP-1 (CD107a) (rabbit polyclonal)	AB2971-25UG	4	Apoptosis - Additional, Tumor Markers	WB, ICC	H,M,R,Rh	Rb
Anti-COX4 (rabbit polyclonal)	AB10526-25UG	2	Apoptosis - Additional	WB,IHC(P)	H	Rb
Anti-Bec1-1, clone 9A1.1	MABC34-25UG	1	Apoptosis - Additional	WB,IHC(P),FC	H	M
Anti-McI-1, clone RC13 (mouse monoclonal)	MABC43-25UL	1	Bcl2 & Inhibition	WB,IHC,IP	H	M
Anti-AIF (rabbit polyclonal IgG)	07-208-25UG	0	Apoptosis - Additional	WB	H,M,R	Rb
Anti-PDGFR-b, clone CH-3 (mouse monoclonal)	05-1135-25UG	1	Growth Factors & Receptors	WB,ELISA,IHC(P)	H,M,R	M

Cell Structure

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Integrin beta1, clone MB1.2	MAB1997-25UG	71	Integrins	FC,IHC,IP,WB	M,R	R
Anti-Connexin 43, C-terminus	AB1728-25UG	34	Adhesion (CAM)	ELISA,IF,IHC,IP,WB	H,M,R	Rb
Anti-MMP-14, clone LEM-2/15.8	MAB3328-25UG	29	MMPs & TIMPs	ELISA,WB,IP,IF,IHC	M	M
Anti-Cytokeratin 19, clone E6	MAB1675-25UL	22	Cytokeratins	IHC,WB	R,Rb,F	M
Anti-Fibronectin (rabbit polyclonal)	AB1954-25UL	21	ECM Proteins	ELISA,WB	R,M	Rb
Anti-MCAM, clone P1H12 (mouse monoclonal)	MAB16985-25UG	11	Adhesion (CAM)	ELISA,FC,ICC,IHC,IP,WB	Ca,H,M	M
Anti-E-Cadherin, clone 67A4, Azide Free	MAB3199Z-25UG	7	Adhesion (CAM)	WB	H	M
Anti-E-Cadherin	07-697-25UL	7	Adhesion (CAM)	WB	H	Rb
Anti-Cytokeratin 7, clone LP5K, FITC Conjugated	CBL194F-25ASSAYS	5	Cytokeratins	ICC,IHC,IHC(P),FC	H	M
Anti-Claudin-5 (rabbit polyclonal)	ABT45-25UG	5	Adhesion (CAM)	WB,IHC(P)	H,M,R,Eq,Ox	Rb
Anti-Fibronectin (CT), clone 868A11	MAB1935-25UG	5	ECM Proteins	ELISA,WB,IHC	H	M
Anti-Occludin (rabbit polyclonal)	ABT146-25UG	2	ECM Proteins	WB	H	Rb
Anti-MMP-3, N-terminus	AB2963-25UG	2	MMPs & TIMPs	WB,IHC(P)	H,Cmp,Rh	Rb

Epigenetics & Nuclear Function

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-phospho-Histone H2A.X (Ser139), clone JBW301	05-636-25UG	869	Histones	Icc,IF,WB,ChIP	Vrt	M
Anti-Sox9	AB5535-25UG	237	Transcription Factors	IHC,WB,ChIP,ChIP-Seq,IC,IF	H,M,R,Ch	Rb
Anti-Active-b-Catenin, (anti ABC), clone 8E7	05-665-25UG	192	Transcription Factors	FC,ICC,IHC,IHC(P),WB	H,M,R	M
Anti-CTCF (rabbit antiserum)	07-729-25UL	166	Chromatin Biology	WB, ChIP-seq,ChIP	H,M,R,Ca	Rb
Anti-RNA polymerase II, clone CTD4H8	05-623-25UG	133	Transcription Factors	WB,ChIP-seq	H,R,M,Y	M
Anti-phospho-H2A.X (Ser139)	07-164-25UG	133	Histones	IP,WB,ChIP-seq	Vrt, H	Rb
Anti-Sp1 (rabbit polyclonal)	07-645-25UG	95	Transcription Factors	EMA,IF,IP,WB,ChIP	H,M,R	Rb
Anti-MeCP2	07-013-25UG	72	Histones	WB	M,R	Rb
Anti-NFkB, p65 subunit, active subunit, clone 12H11	MAB3026-25UG	61	Transcription Factors	EMA,FC,IC,IF,IHC,IHC(P),WB	H,M,R,Rb	M
Anti-HDAC1	06-720-25UG	61	Histones	Enzyme Assay,ICC,IP,WB	H,R,M	Rb
Anti-Bmi-1, clone F6 (mouse monoclonal IgG1)	05-637-25UG	56	Chromatin Biology	IC, IP, WB	H, M, R, Rb	M
Anti-phospho-ATM (Ser1981) clone 10H11.E12 (mouse monoclonal)	05-740-25UG	39	Cell Cycle, DNA Replication & Repair	ICC,IF,IP,WB	H,M	M
Anti-PCNA, clone PC10	MAB424-25UG	37	Cell Cycle, DNA Replication & Repair	ELISA,FC,IHC(P),IP,WB	Inv,Vrt	M
Anti-b-Catenin (rabbit polyclonal IgG)	06-734-25UG	37	Transcription Factors	ICC,IP,WB	H,R,M,Rb,B	Rb
Anti-SNF2b/BRG1	07-478-25UL	36	Cell Cycle, DNA Replication & Repair	IP,WB	H,M,R	Rb
Anti-HDAC2, clone 3F3	05-814-25UG	30	Histones	ICC,IP,WB	H,B,M,R,Ham	M
Anti-G9a (rabbit polyclonal IgG)	07-551-25UG	29	Histones	WB,	H	Rb
Anti-EZH2 (rabbit polyclonal)	07-689-25UL	28	Histones	IP,WB,ChIP-seq	H,M	Rb
Anti-acetyl-p53 (Lys373, Lys382)	06-758-25UL	27	Transcription Factors	WB	Vrt	Rb
Anti-Cyclin B1 clone GNS3 (8A5D12)	05-373-25UG	27	Cell Cycle, DNA Replication & Repair	IP,WB	H,M	M
Anti-phospho-Histone H1	06-597-25UG	22	Histones	ICC,WB	B,H	Rb
Anti-p53, clone BP53-12	05-224-25UL	21	Transcription Factors	IHC,IP,WB	H	M
Anti-Smad2/3 (rabbit immunoaffinity purified IgG)	07-408-25UL	21	Transcription Factors	WB	H,M,R	Rb
Anti-HIF-1 alpha, clone H1a67	MAB5382-25UG	20	Transcription Factors	EMA,IC,IP,WB	F,H,M,R	M
Anti-Histone H2A.Z	07-594-25UL	19	Histones	WB	H	Rb
Anti-Ki-67, clone Ki-S5	MAB4190-25UG	17	Cell Cycle, DNA Replication & Repair	FC,IC,IHC,IHC(P),WB	H	M

Epigenetics & Nuclear Function

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Estrogen Receptor α , clone 60C (rabbit monoclonal)	04-820-25UL	13	Transcription Factors	WB,IP	H,M,R,B,Po	Rb
Anti-Ago 2 (rabbit polyclonal IgG)	07-590-25UG	12	Transcription Factors, RNA Binding Protein (RBP)	WB	H	Rb
Anti-Estrogen Receptor β , clone 68-4	05-824-25UL	11	Transcription Factors	IP,WB	H	Rb
Anti-pan Ago, clone 2A8 (mouse monoclonal)	MABE56-25UG	11	Transcription Factors	WB, IP,IC,IHC	H	M
Anti-Kip1 (p27)	06-445-25UG	8	Cell Cycle, DNA Replication & Repair	IHC,IP,WB	H,R,Rb	Rb
Anti-Cyclin E, clone HE12, human (mouse monoclonal IgG)	05-363-25UG	8	Cell Cycle, DNA Replication & Repair	IP,WB,IC	H	M
Anti-HIF-1-alpha, hydroxyproline (Pro402) (rabbit polyclonal)	07-1585-25UG	8	Transcription Factors	WB	H	Rb
Anti-Notch1, clone mN1A	MAB5352-25UG	6	Transcription Factors	ICC,IHC,IP,WB	M,R,Fe	M
Anti-MDM2, clone 3G9 (mouse monoclonal)	04-1530-25UG	6	RNA Metabolism & Binding Proteins	WB,IP,IC,IHC	H,M	M
Anti-Estrogen-related Receptor α	07-662-25UG	6	Transcription Factors	EMA,IHC,IP,WB	H,Ham,M,R	Rb
Anti-hnRNP A1, clone 9H10 (mouse monoclonal)	04-1469-25UG	5	RNA Metabolism & Binding Proteins	WB	H	M
Anti-phospho-CENP-A (Ser7), clone NL41 (rabbit monoclonal)	04-792-25UL	5	Cell Cycle, DNA Replication & Repair	MP,WB,IC	H	Rb
Anti-DNMT1	07-688-25UL	5	Chromatin Biology	WB	H	Rb
Anti-SIRT1, clone 10E4 (mouse monoclonal)	04-1557-25UL	3	histones	WB,IP,IC,IHC,ChIP	H,M	M
Anti-SREBP-1a, clone 2121	04-469-25UL	3	Transcription Factors	WB	H	M
Anti-HIF-2 alpha, clone 190b	MAB3472-25UL	3	Transcription Factors	WB,IC,IHC(P),ELISA	H	M
Anti-Dicer1, clone 5D12.2 (mouse monoclonal)	04-721-25UL	2	RNA Metabolism & Binding Proteins, RNA Binding Protein (RBP)	WB	H	M
Anti-APC CT, clone C-APC 28.9	MAB3786-25UG	2	Cell Cycle, DNA Replication & Repair	IF,IP,WB,IHC	H,M	M
Anti-PAX5	AB4227-25UG	2	Transcription Factors	WB	H,M	Rb
Anti-phospho-Histone H3 (Thr3), clone JY325 (rabbit monoclonal)	05-746R-25UL	2	Histones	WB,PIA	H	Rb
Anti-FOXO1, clone 2H8.2 (mouse monoclonal)	05-1075-25UG	2	Transcription Factors	WB,IHC,IHC(P)	H,M,R	M
Anti-BRCA-1, clone BR64	MAB4132-25UG	2	Cell Cycle, DNA Replication & Repair	IP,WB,IC	H,M	M
Anti-NF κ B p65, CT (rabbit polyclonal)	ABE347-25UG	1	Transcription Factors	WB,IP	H,M,R	Rb
Anti-NF-E2-related factor 2 (rabbit polyclonal)	ABE413-25UG	1	Transcription Factors	WB,IC	H,M,R,Chp,Rh	Rb
Anti-TRF1, clone BED5 57-6 (mouse monoclonal)	04-638-25UG	1	Cell Cycle, DNA Replication & Repair	WB,IF	H,M,R,Ham,Mk	M
Anti-Rad51, clone 3C10 (mouse monoclonal)	05-530-I-25UG	0	Nuclear Receptors	WB,IP	H	M
Anti-NF κ B p50 (rabbit polyclonal)	06-886-I-25UG	0	Nuclear Receptors	WB,IP	H	Rb

Epigenetics & Nuclear Function

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Glial Fibrillary Acidic Protein, clone GA5 (mouse monoclonal)	MAB360-25UL	352	Neuronal & Glial Markers	ICC,IHC,IHC(P),WB	B,Ch,H,M,Po,R,Rb	M
Anti-GAD67, clone 1G10.2	MAB5406-25UG	266	Neurotransmitters & Receptors, Neuroanl & Glial Markers	IHC,IHC(P),WB	H,R,M	M
Anti-Sox2 (rabbit polyclonal)	AB5603-25UG	219	Neuronal & Glial Markers, Developmental Neuroscience	WB,IC,IF,IHC	H,M	Rb
Anti-Tau-1, clone PC1C6 (mouse monoclonal)	MAB3420-25UG	132	Neurogenerative diseases	IHC,WB	Bv,H,R	M
Anti-MAP-2, clone AP20	MAB3418-25UG	127	Neuronal & Glial Markers	IC,WB,IHC	B,Ch,H,M,R,X,Q	M
Anti-Mn-SOD	06-984-25UG	88	Oxidative Stress	IHC,IHC(P),WB	H,R,M,B	Rb
Anti-Na ⁺ /K ⁺ ATPase a-1, clone C464.6	05-369-25UG	85	Ion Channels & Transporters	IC,IHC,IP,WB	H,R,R,M	M
Anti-Na ⁺ /K ⁺ ATPase a-1 (rabbit polyclonal)	06-520-25UG	17	Ion Channels & Transporters	ICC,IP,WB	B,R,M	Rb
Anti-Retinal Pigment Epithelium 65	MAB5428-25UG	15	Sensory & PNS	ELISA,IC,IP,WB,IHC	B,H,M,X	M
Anti-Iba1/AIF1 (mouse monoclonal)	MABN92-25UG	12	Developmental Neuroscience	WB,IHC	H,M,R	M
Anti-Brain lipid binding protein (rabbit polyclonal)	ABN14-25UG	11	Neuronal & Glial Markers	WB,IHC	M,H	Rb
Anti-a-Synuclein clone Syn211	36-008-25UL	9	Neurodegenerative Diseases	IP,WB,IHC	H	M
Anti-phospho-nNOS/NOS1 (Ser1417)	07-544-25UG	4	Oxidative Stress	WB	H,R	Rb
ANTI-NKX2.1 MONOCLONAL ANTIBODY	MAB5460-25UL	4	Developmental Neuroscience, Neuronal & Glial Markers	WB,IHC(P)	H	M
Anti-VDAC1, clone N152B/23	MABN504-25UG	3	Developmental Signaling	WB,IHC	H,M,R	M
Anti-β III tubulin	AB15708-25UG	3	Neuronal & Glial Markers, Neurofilament & Neuron Metabolism	WB	M	Rb
Anti-iNOS/NOS II, NT (rabbit polyclonal)	ABN26-25UG	2	Oxidative Stress	WB,IP,IHC(P)	M,H	Rb
Anti-ZO-1	AB2272-25UG	2	Neuronal & Glial Markers	WB,IHC(P)	H,M	Rb
Anti-Myelin Basic Protein	AB15542-25UL	2	Neuronal & Glial Markers, Neurochemistry & Neurotrophins	WB	H	Rb
Anti-Insulin Degrading Enzyme	AB9210-25UL	1	Neurogenerative diseases	WB	R	Rb
Anti-Calnexin (rabbit polyclonal)	AB2301-25UL	1	Developmental Signaling	WB,ICC,IHC(P)	H,M,Chp,Rh,Eq,Po,B	Rb
Anti-PPAR-gamma (rabbit polyclonal)	ABN1445-25UG	0	Nuclear Receptors	WB,ICC	H,M	Rb

Signalling

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Rac1, clone 23A8	05-389-25UG	151	Cytoskeletal - Signaling, G-Proteins	IHC,IP,WB	H,M,R	M
Anti-phospho-Acetyl CoA Carboxylase (Ser79) (rabbit polyclonal)	07-303-25UG	65	Insulin/Energy Signaling	WB	H,M,R,Ca,Ch,B	Rb
Anti-EGFR (rabbit polyclonal IgG)	06-847-25UG	39	Growth Factors & Receptors	IP,WB	H,M,R,Ham	Rb
Anti-Akt/PKB, PH Domain, clone SKB1	05-591-25UG	28	PI3K, Akt, & mTOR Signaling	FC,IC,IP,WB	H,M,R	M
Anti-phospho-erbB-2/HER-2 (Tyr1248)	06-229-25UL	27	Growth Factors & Receptors, Kinases & Phosphatases	ICC, WB	H,R	Rb
Anti-AMPK a 1	07-350-25UG	21	Insulin/Energy Signaling	WB	H	Rb
Anti-Vinculin, clone VIIIF9 (7F9)	MAB3574-25UG	16	Cytoskeletal - Signaling	IP,WB,ICC,IHC(P)	B,H,M,Mk.Po,Rb	M
Anti-JNK/SAPK1	06-748-25UG	16	MAP Kinases	IP,WB	H,M,R	Rb
Anti-Lck	06-583-25UG	14	Immunological Signaling	IP,WB	B,H,M	Rb
Anti-Akt1/PKBa	07-416-25UG	14	PI3K, Akt, & mTOR Signaling	IP,WB	H,R,M	Rb
Anti-PDGFR Receptor a (rabbit immunofluorescence purified IgG)	07-276-25UL	11	Growth factors & receptors	IP,WB	H,M	Rb
Anti-phospho-p38a (Thr180/Tyr182)	09-272-25UL	9	MAP Kinases	IP,WB,IF,IPK	H,M,R	Rb
Anti-Tumor Necrosis Factor-alpha, clone 195	MAB1096-25UG	6	growth factors & receptors	WB,IC,IHC,N	H	M
Anti-phospho-mTOR (Ser2448) (rabbit polyclonal)	09-213-25UG	5	PI3K, Akt, & mTOR Signaling, Glucose/Glycogen Metabolism, Insulin/Energy Signaling, Adhesion (CAMs)	WB	H	Rb
Anti-p70 S6 Kinase	07-402-25UG	5	PI3K, Akt, & mTOR Signaling	IP,WB,IC	H,M,R	Rb
Anti-KDR/Flk-1, clone CH-11	05-554-25UG	4	growth factors & receptors	ELISA,IC,WB	H,M	M
Anti-EEA1 (rabbit polyclonal)	07-1820-25UL	3	Post-translational Modification	WB,ICC	H,M	Rb
Anti-GLUT1 (CT), clone 5B12.3	MABS132-25UL	3	Developmental Signaling	WB,IHC	H,R	M
Anti-ATR (rabbit polyclonal)	09-070-25UG	1	PI3K, Akt, & mTOR Signaling	WB	H,M,R,Ca,Hs,B	Rb
Anti-PDGFR-b, clone CH-3 (mouse monoclonal)	05-1135-25UG	1	Growth Factors & Receptors	WB,ELISA,IHC(P)	H,M,R	M
Anti-Insulin, clone E11D7 (mouse monoclonal)	05-1066-25UG	1	Insulin/Energy Signaling, Glucose/Glycogen Metabolism, metabolic Hormones & Receptors	ELISA,IHC(P)	H,M,R	M

Stem Cell Research

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Nestin, clone 10C2	MAB5326-25UG	163	Neuronal Stem Cells	IC,IHC,IHC(P),WB	H	M
Anti-SSEA-1, clone MC-480	MAB4301-25UG	83	Pluripotent & Early Differentiation, Neural Stem Cells	FC,IF,IHC,IP	H,M,R	M
Anti-Nanog, NT	AB5731-25UG	47	Pluripotent & Early Differentiation	WB	H,M,R	Rb
Anti-Twist1 (Twist-related protein 1) (rabbit polyclonal)	ABD29-25UG	2	Transcription Factors	IHC(P),IHC	H,M,Ca,Pig,Rh,Chimp,Hs	Rb
Anti-Aldehyde dehydrogenase 1 (ALDH1A1) (rabbit polyclonal)	ABD12-25UG	1		WB	H	Rb

Inflammation & Immunology

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-CD34 Class II, clone QBEND/10	CBL496-25UG	6	Immunoglobulins & Immunology	FC,IP,IHC,IHC(P)	H,Mk	M
Anti-phospho-FGFR-1 (Tyr653/Tyr654) (rabbit polyclonal)	06-1433-25UG	4	cytokines & cytokine receptors	WB,CFA	H,M,R,Ch,Bv,X	Rb
Anti-JAK2, clone 8E10.2 (mouse monoclonal)	04-001-25UG	3	Immunological Signaling	WB,IHC(P)	H,M,R	M
Anti-Thy 1.1 clone OX-7	MAB1406-25UG	29	immunoglobulins & Immunology	FC,IC,IHC	R,Rb,F	M

Epitope Tags & General Use

Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-Myc Tag, clone 4A6 (mouse monoclonal IgG1)	05-724-25UG	126	Epitope Tags	ICC,IF,IP,WB,ChIP-seq	H	M
Anti-Myc Tag	06-549-25UG	88	Epitope Tags	IC,WB	H	Rb
Anti-GFP, clone 264-449-2	MAB2510-25UG	13	Epitope Tags	IC,WB,IP	All	M
Anti-BSA (Bovine Serum Albumin)	07-248-25UG	4	Epitope Tags	WB	B,Eq,H,M,R	Rb

Metabolism

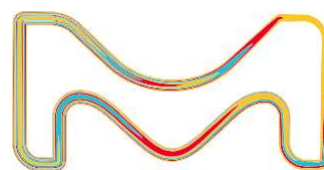
Product Description	Catalog Number	Citations	Merck Research Sub-category	Key Applications	Species Reactivity	Host
Anti-GAPDH	AB2302-25UG	136		WB	H,M,R,Hs,Ca	Ch
Anti-Perilipin A	AB10200-25UG	5	Lipid Metabolism & Weight Regulation	WB	B,M	Rb
Anti-CYP450, clone 2E1	AB10080-25UL	2	Enzymes & Biochemistry	WB	H	Rb
Anti-Insulin, clone E11D7 (mouse monoclonal)	05-1066-25UG	1	Insulin/Energy Signaling, Glucose/Glucogen Metabolism, metabolic Hormones & Receptors	ELISA,IHC(P)	H,M,R	M

B=Bovine, Ca=Canine, Ch=Chicken, Chp=Chimpanzee, Eq=Horse, F=Ferret, Fe=Feline, H=Human, Ham=Hamster, Inv=Invertebrates, M=Mouse, Mk=Monkey, Ox=Ox, Po=Pig, Q=Quail, R=Rat, Rb=Rabbit, Rh=Rhesus Macaque, Vrt=Vertebrate, X=Xenopus, Y=Yeast (*S. cerevisiae*)

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties.

Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

SigmaAldrich.com



Distributed by Abacus dx

1800 ABACUS (AUS) 0800 222 170 (NZ) | info@abacusdx.com | www.abacusdx.com

abacus dx