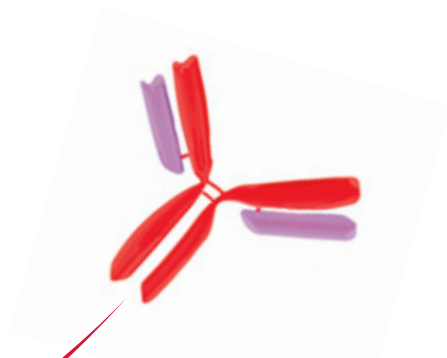


Reput(Ab)le

Cancer-Signaling Antibodies

We're validated. We're guaranteed. We're published.
We create the antibodies most cited by the research community.

Recognizing both the tremendous opportunities and the challenges facing cancer researchers, EMD Millipore is dedicated to developing and refining tools and technologies for the study of cancer. With EMD Millipore's comprehensive portfolio of reagents and antibodies, researchers can count on dependable, high-quality solutions for analyzing all the hallmarks of cancer.



**Validated Antibodies
for Key Research Areas:**

Cancer ✓

Cell Signaling

Cell Structure

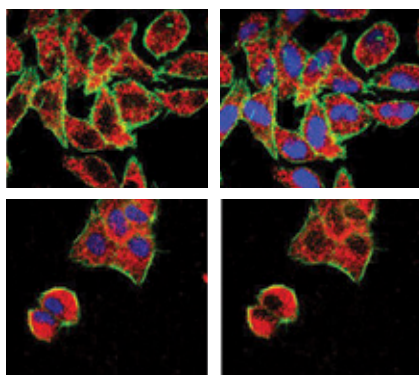
ChIPAb+™/RIPAb+™

Chromatin-Associated

Epigenetics

Neuroscience

Stem Cell



Confocal fluorescent analysis of HeLa cells (top row) and A431 cells (bottom row). Mitochondrial staining with rabbit Anti-Bak Ab, NT (06-536, red). Actin filaments labeled with Alexa Fluor® 488 Phalloidin (green). Nuclear staining with DAPI (blue).

Primary Antibodies for Cancer Research

The basic principle that underlies all immunochemical techniques is that a specific antibody will combine with its target antigen to generate an exclusive antibody–antigen complex. The specificity of primary antibodies, ideally monoclonal antibodies, enables them to be used for the initial detection of the target of interest in the study of cellular pathways and mechanisms, be they native or disrupted by disease states.

Primary Antibody	Species Reactivity	Key Applications	Host	Format	Type	Cat. No.
Anti-Bak, NT	H, M, R	IC, IH, IP, WB	Rb	Purified	Poly	06-536
Anti-Bax (NT)	B, Ca, Chp, Fe, H	IC, IH, IP, WB	Rb	Purified	Poly	06-499
Anti-Bcl2, clone 100	Ca, Fe, H	FC, IH, WB	M	Purified	Mono	05-729
Anti-Caspase 1	H, M, R	IC, IP, WB	Rb	Purified	Poly	06-503
Anti-Caspase 3, active (cleaved) form	H, M, R	IF, IH, IH(P), WB	Rb	Affinity purified	Poly	AB3623
Anti-Caspase-3 (Active), rabbit monoclonal	H, M	IF, IH(P), WB	Rb	Purified	Mono	04-439
Anti-Cathepsin B	M, R	IH, WB	Rb	Purified	Poly	06-480
Anti-Clusterin α chain (human), clone 41D	H	IC, IH, IH(P), WB	M	Purified	Mono	05-354
Anti-Cyclophilin A	H, M, R	WB	Rb	Serum	Poly	07-313
Anti-DNA, single stranded specific, clone F7-26	A	FC, IC, IH, IH(P)	M	Purified	Mono	MAB3299
Anti-DNA, single stranded, clone 16-19	A	ELISA	M	Purified	Mono	MAB3034
Anti-Fas (human, activating), clone CH11	H	FC, IC, WB	M	Affinity purified	Mono	05-201
Anti-Fas (human, neutralizing), clone ZB4	H	FC, NEUT, WB	M	Purified	Mono	05-338
Anti-LAMP-1 (CD107a)	H, M, R, RMk	IC, WB	Rb	Affinity purified	Poly	AB2971
Anti-LYVE1	H, M	IH	Rb	Affinity purified	Poly	AB2988
Anti-Mucin MUC5AC, clone CLH2	H	ELISA, IC, IH(P), IP, WB	M	Purified	Mono	MAB2011
Anti-Phosphatidylserine, clone 1H6	Vrt	FC, IH	M	Purified	Mono	05-719
Anti-Poly ADP-ribose, clone 10H	A	IC, IP, WB	M	Purified	Mono	MAB3192
Anti-von Willebrand Factor, clone 21-43	H	ELISA, IC, IF, IH, IH(P), WB	M	Purified	Mono	MAB3442
Anti-von Willebrand Factor	H, M, R	ELISA, IH(P)	Rb	Purified	Poly	AB7356

For a complete offering of antibodies for cancer research, please visit:

www.emdmillipore.com/cancer

Secondary Antibodies for Cancer Research

Secondary antibodies are often used to amplify the detection of an antigen that a primary antibody is first bound to. It is therefore important to select a secondary antibody that has specificity for the species and isotype of the primary antibody. In addition, the secondary antibody must be conjugated to a suitable tag or label for optimal detection.

Secondary Antibody	Species Reactivity	Key Applications	Host	Isotype	Conj.	Cat. No.
Anti-Green Fluorescent Protein	Vrt	ELISA, IC, IH, WB	Rb			AB3080
Anti-Myc Tag, clone 4A6	H	ChIP-seq, IC, IF, IP, WB	M	IgG		05-724
Anti-SBP-tag, clone 20	H	IC, WB	M	IgG _{1k}		MAB10764
Donkey Anti-Goat IgG, HRP conjugate, Species Adsorbed	Gt	ELISA, IH, WB	Dk	IgG	HRP	AP180P
Donkey Anti-Mouse IgG, FITC conjugate, Species Adsorbed	M	IF	Dk	IgG	FITC	AP192F
Donkey Anti-Mouse IgG, HRP conjugate, Species Adsorbed	M	ELISA, WB	Dk	IgG	HRP	AP192P
Donkey Anti-Rabbit IgG, HRP conjugate, Species Adsorbed	Rb	ELISA, WB	Dk	IgG	HRP	AP182P
Goat Anti-Human Ig κ chain, HRP conjugate, Species Adsorbed	H	ELISA	Gt	IgK	HRP	AP502P
Goat Anti-Human IgA, α-Chain Specific Alkaline Phosphatase Conjugate	H	EIA, IEP	Gt	IgA	Alk Phos	401132-1ML
Goat Anti-Human IgG, heavy and light chains	H	IP	Gt	IgG		AB22-2ML
Goat Anti-Mouse IgG, (H+L) FITC Conjugated	M	IF	Gt	IgG	FITC	AP124F
Goat Anti-Mouse IgG, Alkaline Phosphatase conjugate	M	ELISA, WB	Gt	IgG	Alk Phos	AP124A
Goat Anti-Mouse IgG, F(ab') ₂ , FITC conjugate	M	IF	Gt	IgG	FITC	AQ303F
Goat Anti-Mouse IgG, HRP conjugate	M	ELISA, IH, WB	Gt	IgG	HRP	12-349
Goat Anti-Mouse IgG, HRP conjugate, Species Adsorbed	M	ELISA, WB	Gt	IgG	HRP	AP181P
Goat Anti-Mouse IgG, Peroxidase Conjugated, H+L	M	ELISA, IH, WB	Gt	IgG	HRP	AP124P
Goat Anti-Rabbit IgG, HRP-conjugate	Rb	ELISA, IH, WB	Gt	IgG	HRP	12-348
Goat Anti-Rabbit IgG, Peroxidase Conjugated	Rb	ELISA, IH, WB	Gt	IgG	HRP	AP132P
Goat Anti-Rabbit γ-Globulin	Rb	IEP, RIA	Gt	IgG		539844-125U
His•Tag® Monoclonal		IP, IL, WB		IgG1		70796-3
Mouse Anti-Human IgG, Fc, all subclasses, clone MK1A6	H	ELISA, IF, HI, IH	M	IgG1		CBL101
Normal Rabbit IgG		IP, WB	Rb	IgG		12-370
Rabbit Anti-Goat IgG, HRP conjugate	Gt	ELISA, IH, WB	Rb	IgG	HRP	AP106P
S•Tag™ Monoclonal		IB, IF, IP		IgG _{2b}		71549-3

For a complete offering of antibodies for cancer research, please visit:

www.emdmillipore.com/cancer

Small Molecules for Cancer Research

Chemical genetics, in which function is disrupted using small molecules, can shed light on specific disease state mechanisms. Small-molecule compounds, including inhibitors, activators, and other pathway modulators, are critical cellular transduction research tools.

Small Molecule Inhibitor or Activator	Cat. No.
Bafilomycin A1, <i>Streptomyces griseus</i>	196000
Caspase Inhibitor I	627610
Doxorubicin, Hydrochloride	324380
Gö 6976	365250
InSolution™ Q-VD-OPh, Non-O-methylated	551476
MLKL Inhibitor, Necrosulfonamide	480073
Rapamycin	553210
Smoothed Agonist, SAG	566660
Staurosporine, <i>Streptomyces</i> sp.	569397
Thiostrepton	598226

LEGEND:

Species: A=all, Am=amphibian, Av=avian, B=bovine, Ca=canine, Ch=chicken, Chp=chimpanzee, Dk=donkey, Dr=drosophila, Eu=eukaryote, F=fish, Fe=feline, Fg=frog, Ft=ferret, Gp=guinea pig, Gt=goat, Ht=hamster, H=human, Lz=lizard, Ma=mammal, Mk=monkey, Ml=mollusk, M=mouse, Op=opossum, Pl=green plant, Pm=primate, Po=pig, R=rat, Rb=rabbit, RMk=Rhesus macaque, Sal=salamander, Sh=sheep, Sqd=squid, Su=sea urchin, T=tetrahymena, Vo=vole, Vrt=vertebrate, Xn=xenopus, Zf=zebrafish

Applications: CFA=cell function assay, ChIP=chromatin immunoprecipitation, ChIP-seq=chromatin immunoprecipitation sequencing, DB=dot blot, EIA=enzyme immunoassay, EMSA=electrophoretic mobility shift assay, FC=flow cytometry, FUNC=affects function, HI=hemagglutination inhibition, IAP=immunoaffinity purification, IB=immunoblotting, IC=immunocytochemistry, IEP=immunoelectrophoresis, IF=immunofluorescence, IH=immunohistochemistry, IH(P)=immunohistochemistry (paraffin), IL=immunolocalization, IP=immunoprecipitation, Mplex=multiplexing, NEUT=neutralizing, PIA=peptide inhibition assay, RIA=radioimmunoassay, RIP=RNA immunoprecipitation, WB=western blotting

Format: Alk Phos=alkaline phosphatase, CS=culture supernatant

Type: Mono=monoclonal antibody, Poly=polyclonal antibody

Isotype: IgA=immunoglobulin A, IgG=immunoglobulin G, IgK=immunoglobulin K

Conjugation: Alk Phos=alkaline phosphatase, FITC=fluorescein isothiocyanate, HRP=horseradish peroxidase



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