

Rabbit DUSP1 Monoclonal Antibody | anti-DUSP1 antibody

DUSP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312389	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Western Blot

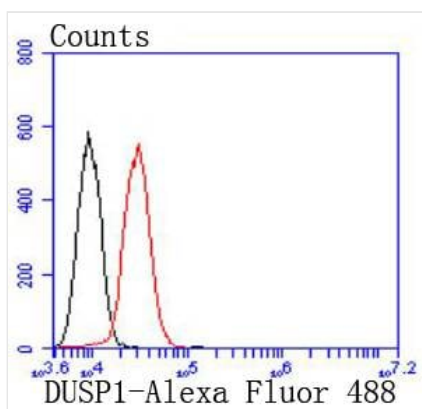
PRODUCT SYNONYMS

DUSP1; Monoclonal Antibody; DUSP1 Antibody; CL 100 antibody; CL100 antibody; Dual Specificity Phosphatase 1 antibody; Dual specificity protein phosphatase 1 antibody; Dual specificity protein phosphatase hVH1 antibody; DUS1_HUMAN antibody; DUSP 1 antibody; Dusp1 antibody; HVH1 antibody; MAP kinase phosphatase 1 antibody; Mitogen-activated protein kinase phosphatase 1 antibody; MKP-1 antibody; MKP1 antibody; Protein tyrosine phosphatase CL100 antibody; Protein-tyrosine phosphatase CL100 antibody; PTPN10 antibody; Serine/threonine specific protein phosphatase antibody; VH1 antibody; anti-DUSP1 antibody

PRODUCT SPECIFICATIONS

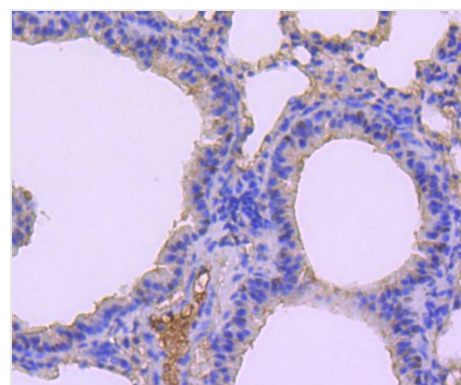
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JJ0930
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-DUSP1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



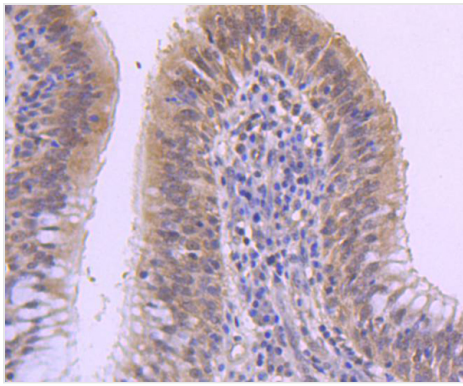
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HepG2 cells with DUSP1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



IHC (Immunohistochemisry)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-DUSP1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-DUSP1 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of DUSP1 on mouse spleen lysates using anti-DUSP1 antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP1 antibody

A key element in the pathway involved in the transduction of signals from activated protein-tyrosine kinase transmembrane receptors has been identified as the family of mitogen-activated protein kinases (MAP kinases). The most well known of these Ser/Thr kinases are ERK 1 and ERK 2. Mitogenic stimulation of cells triggers the activation of MAP kinases through phosphorylation of both tyrosyl (Y185) and threonyl (T183) residues. Phosphorylation of the T183 and Y185 ERK regulatory site is mediated by MAP kinase (MEK), which in turn is regulated by the proto-oncogene product Raf. Two highly related phosphatases, designated MKP-1 and MKP-2, exhibit 59% sequence identity at the amino acid level and oppose the action of MEK by downregulating the kinase activity of ERK 1 and ERK 2. MAP kinase phosphatase-1 and -2 proteins function by dephosphorylating ERK 1 and ERK 2 at their T-E-Y regulatory motif. An additional phosphatase encoded by the DUSP2 gene, designated PAC-1, also functions to downregulate ERK 1 and ERK 2 kinase activity. PAC-1 is a nuclear protein whose expression is strongly induced in response to mitogen.

Product Categories/Family for anti-DUSP1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758204
NCBI GeneID	1843
NCBI Accession #	NP_004408.1
NCBI GenBank Nucleotide #	NM_004417.3
UniProt Accession #	P28562; Q2V508; D3DQL9
Molecular Weight	39,298 Da
NCBI Official Full Name	dual specificity protein phosphatase 1
NCBI Official Synonym Full Names	dual specificity phosphatase 1
NCBI Official Symbol	DUSP1
NCBI Official Synonym Symbols	HVH1; MKP1; CL100; MKP-1; PTPN10
NCBI Protein Information	dual specificity protein phosphatase 1; MAP kinase phosphatase 1; protein-tyrosine phosphatase CL100; dual specificity protein phosphatase hVH1; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 1
UniProt Protein Name	Dual specificity protein phosphatase 1
UniProt Gene Name	DUSP1
UniProt Synonym Gene Names	CL100; MKP1; PTPN10; VH1; MAP kinase phosphatase 1; MKP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dusp1-antibody-clone-jj0930-flow-cytometry-immunoprecipitation-immunohistochemistry-western-blot-elisa/312389>