

Rabbit DUSP6 Polyclonal Antibody | anti-DUSP6 antibody

DUSP6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326937	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DUSP6; Polyclonal Antibody; DUSP6 Antibody; Dual specificity phosphatase 6; Dual specificity phosphatase 6 isoform a; Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; DUS6_HUMAN; DUSP 6; DUSP 6a; Dusp6; DUSP6a; HH19; MAP kinase phosphatase 3; Mitogen activated protein kinase phosphatase 3; Mitogen-activated protein kinase phosphatase 3; MKP 3; MKP-3; MKP3; PYST 1; PYST1; Serine/threonine specific protein phosphatase; anti-DUSP6 antibody

PRODUCT SPECIFICATIONS

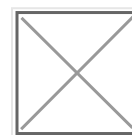
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DUSP6 antibody detects endogenous levels of total DUSP6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-DUSP6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DUSP6
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326937 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using DUSP6 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326937 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP6 antibody	Description: The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. Function: Inactivates MAP kinases. Has a specificity for the ERK family (PubMed:9858808). Plays an important role in alleviating chronic postoperative pain. Necessary for the normal dephosphorylation of the long-lasting phosphorylated forms of spinal MAPK1/3 and MAP kinase p38 induced by peripheral surgery, which drives the resolution of acute postoperative allodynia (By similarity). Also important for dephosphorylation of MAPK1/3 in local wound tissue, which further contributes to resolution of acute pain (By similarity). Similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42764683
NCBI GeneID	1848
NCBI Accession #	NP_001937.2
NCBI GenBank Nucleotide #	NM_001946.3
UniProt Accession #	Q16828; O75109; Q53Y75; Q9BSH6
Molecular Weight	Observed: 27 kDa Predicted: 43 kDa
NCBI Official Full Name	dual specificity protein phosphatase 6 isoform a
NCBI Official Synonym Full Names	dual specificity phosphatase 6
NCBI Official Symbol	DUSP6
NCBI Official Synonym Symbols	HH19; MKP3; PYST1
NCBI Protein Information	dual specificity protein phosphatase 6
UniProt Protein Name	Dual specificity protein phosphatase 6
UniProt Gene Name	DUSP6
UniProt Synonym Gene Names	MKP3; PYST1; MAP kinase phosphatase 3; MKP-3

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.