

Rabbit anti-Human, Mouse DUSP16 Polyclonal Antibody | anti-DUSP16 antibody

DUSP16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321079	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

DUSP16; Polyclonal Antibody; DUSP16 Antibody; Dual specificity phosphatase 16; Dual specificity protein phosphatase 16; DUS16_HUMAN; DUSP 16; KIAA1700; MAP kinase phosphatase 7; MAPK phosphatase 7; Mitogen activated protein kinase phosphatase 7; Mitogen-activated protein kinase phosphatase 7; MKP 7; MKP-7; MKP7; anti-DUSP16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG1
Specificity	DUSP16 antibody detects endogenous levels of DUSP16
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	665
Applicable Applications for anti-DUSP16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DUSP16
Subcellular Location	Cytoplasm. Nucleus. Cytoplasmic Vesicle. After dissociation upon AGTR stimulation, re-associates with ARRB2 on endocytic vesicles.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321079 staining MCF-7 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.



WB (Western Blot)

Western blot analysis on Jurkat cell lysate using DUSP16 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP16 antibody	Description: The activation of mitogen-activated protein kinase (MAPK) cascades transduces various extracellular signals to the nucleus to induce gene expression, cell proliferation, differentiation, cell cycle arrest, and apoptosis. For full activation of MAPKs, dual-specificity kinases phosphorylate both threonine and tyrosine residues in MAPK TXY motifs. MKPs are dual-specificity phosphatases that dephosphorylate the TXY motif, thereby negatively regulating MAPK activity.[supplied by OMIM] Function: Dual specificity protein phosphatase involved in the inactivation of MAP kinases. Dephosphorylates MAPK10 bound to ARRB2. Subunit Structure: Interacts with ARRB2. Post-translational Modifications: Phosphorylated at Ser-446 by MAPK1/ERK2, which prevents its degradation, and thereby stabilizes it and blocks JNK MAPK activity. (Microbial infection) Acetylated at Lys-55 by the M.tuberculosis Eis protein; this leads to the inhibition of JNK-dependent autophagy, phagosome maturation, and ROS (reactive oxygen species) generation for enhanced intracellular survival of M.tuberculosis. Similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38372911
NCBI GeneID	80824
NCBI Accession #	NP_085143.1
NCBI GenBank Nucleotide #	NM_030640.2
UniProt Accession #	Q9BY84; Q547C7; Q96QS2; Q9C0G3
Molecular Weight	Observed: 73 kDa Predicted: 74 kDa
NCBI Official Full Name	dual specificity protein phosphatase 16
NCBI Official Synonym Full Names	dual specificity phosphatase 16
NCBI Official Symbol	DUSP16
NCBI Official Synonym Symbols	MKP7; MKP-7
NCBI Protein Information	dual specificity protein phosphatase 16
UniProt Protein Name	Dual specificity protein phosphatase 16
UniProt Gene Name	DUSP16
UniProt Synonym Gene Names	KIAA1700; MKP7; MAP kinase phosphatase 7; MKP-7

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/polyclonal/dusp16-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321079>