

Rabbit MKP-2 Polyclonal Antibody | anti-MKP-2 antibody

MKP-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322555	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MKP-2; Polyclonal Antibody; MKP-2 Antibody; Dual specificity phosphatase 4; Dual specificity protein phosphatase 4; Dual specificity protein phosphatase hVH2; DUS4_HUMAN; DUSP 4; Dusp4; HVH 2; HVH2; MAP kinase phosphatase 2; Mitogen activated protein kinase phosphatase 2; Mitogen-activated protein kinase phosphatase 2; MKP 2; MKP2; Serine/threonine specific protein phosphatase; TYP; Typ1; VH 2; VH1 homologous phosphatase 2; VH2; anti-MKP-2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MKP-2 antibody detects endogenous levels of total MKP-2
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	394
Applicable Applications for anti-MKP-2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MKP-2
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322555 at 1/100 staining Rat liver 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 extracts from Mouse cancer, using MKP-2 Antibody. Lane 1 was treated with the blocking peptide.



IF (Immunofluorescence)

AAA322555 staining RAW264.7 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MKP-2 using RAW264.7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MKP-2 antibody

Function: Regulates mitogenic signal transduction by dephosphorylating both Thr and Tyr residues on MAP kinases ERK1 and ERK2.

Subunit Structure: Hollow spherical complex composed of 24 subunits with pseudooctahedral symmetry, has a tetramer as the basic unit.

Post-translational Modifications: Phosphorylation in the C-terminus by ERK1/2 inhibits proteasomal degradation and stabilizes the protein.

Similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503417
NCBI GeneID	1846
NCBI Accession #	NP_001385.1
NCBI GenBank Nucleotide #	NM_001394.6
UniProt Accession #	Q13115; Q13524; B2RBU5; D3DSU4; G5E930
Molecular Weight	Observed: 44 kDa Predicted: 43 kDa
NCBI Official Full Name	dual specificity protein phosphatase 4 isoform 1
NCBI Official Synonym Full Names	dual specificity phosphatase 4
NCBI Official Symbol	DUSP4
NCBI Official Synonym Symbols	TYP; HVH2; MKP2; MKP-2
NCBI Protein Information	dual specificity protein phosphatase 4
UniProt Protein Name	Dual specificity protein phosphatase 4
UniProt Gene Name	DUSP4
UniProt Synonym Gene Names	MKP2; VH2; MAP kinase phosphatase 2; MKP-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mkp-2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322555>