

MKP-1/2 Antibody | anti-MKP-1/2 antibody

MKP-1/2 (Phospho-Ser296/318) Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA267830	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

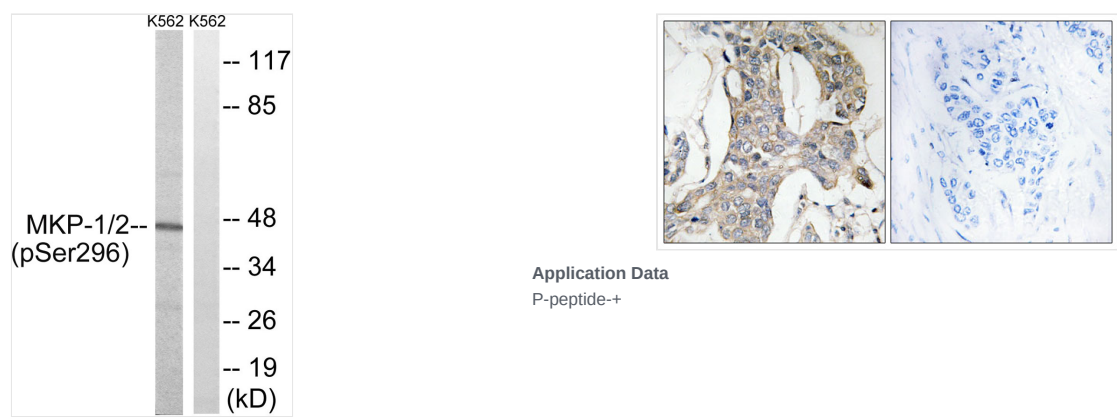
PRODUCT SYNONYMS

MKP-1/2; MKP-1/2 (Phospho-Ser296/318) Antibody; 3CH134; CL100; Dual specificity protein phosphatase 1; Dual specificity protein phosphatase hVH1; DUS1; DUSP1; EC 3.1.3.16; EC 3.1.3.48; MAP kinase phosphatase-1; MKP1; Protein-tyrosine phosphatase 3CH134; Protein-tyrosine phosphatase CL100; Protein-tyrosine phosphatase ERP; PTPN10; PTPN16; VH1; anti-MKP-1/2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	MKP-1/2 (Phospho-Ser296/318) antibody detects endogenous levels of MKP-1/2 only when phosphorylated at serine 296/318.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	367
Applicable Applications for anti-MKP-1/2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human MKP-1/2 around the phosphorylation site of serine 296/318 (I-I-SP-P-N).
All Sites	Human: Ser296/318 Mouse: Ser296/322 Rat: Ser296/319
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using MKP-1/2 (Phospho-Ser296/318) antibody. Western blot analysis of extracts from K562 cells, treated with heat shock, using MKP-1/2 (Phospho-Ser296/318) antibody.

ADDITIONAL INFORMATION

References	Keyes S.M., Nature 359:644-647(1992). Kwak S.P., J. Biol. Chem. 269:3596-3604(1994). The MGC Project Team; Genome Res. 14:2121-2127(2004).
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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
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.