



MKP-3 (Phospho-Ser197) rabbit pAb

Catalog No	YP-Ab-10519
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	DUSP6 MKP3 PYST1
Immunogen	Synthesized peptide derived from human MKP-3 (Phospho-Ser197)
Specificity	This antibody detects endogenous levels of MKP-3 (Phospho-Ser197) at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.175% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	dual specificity phosphatase 6; EC:3.1.3.16; MAP kinase phosphatase 3; Mitogen-activated protein kinase phosphatase 3; MKP 3; MKP-3; DUSP6 MKP3 PYST1; MKP-3 (Phospho-Ser197); Dual specificity protein phosphatase 6 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase PYST1) (Mitogen-activated protein kinase phosphatase 3) (MAP kinase phosphatase 3) (MKP-3)
Observed Band	42 kDa
Calculated Molecular Weight	42 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed in keratinocytes (at protein level).
Function	catalytic activity: A phosphoprotein + H ₂ O = a protein + phosphate., catalytic activity: Protein tyrosine phosphate + H ₂ O = protein tyrosine + phosphate., function: Inactivates MAP kinases. Has a specificity for the ERK family., similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily., similarity: Contains 1 rhodanese domain., similarity: Contains 1 tyrosine-protein phosphatase domain.,

**Background**

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. Mutations in t

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images