



MKP-3 Monoclonal Antibody

Catalog No	YP-mAb-14849
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DUSP6
Immunogen	The antiserum was produced against synthesized peptide derived from human DUSP6. AA range:61-110
Specificity	MKP-3 Monoclonal Antibody detects endogenous levels of MKP-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
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;Dual specificity protein phosphatase 6;MKP3;PYST1;Dual specificity protein phosphatase PYST1
Observed Band	42kD
Calculated Molecular Weight	42kD
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