



MKP-5 Polyclonal Antibody

Catalog No	YP-Ab-14851
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	DUSP10
Immunogen	Synthesized peptide derived from MKP-5 . at AA range: 330-410
Specificity	MKP-5 Polyclonal Antibody detects endogenous levels of MKP-5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DUSP1;MAP kinase phosphatase 5;MKP 5;MKP5;MKP-5;DUSP10;Dual specificity protein phosphatase 10;Mitogen-activated protein kinase phosphatase 5
Observed Band	52kD
Calculated Molecular Weight	52kD
Cell Pathway	Cytoplasm. Nucleus.
Tissue Specificity	Expressed in keratinocytes (at protein level) (PubMed:29043977). Detected in brain (PubMed:16806267).
Function	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate., function:Involved in the inactivation of MAP kinases. Has a specificity for the MAPK11/MAPK12/MAPK13/MAPK14 subfamily.,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

dual specificity phosphatase 10(DUSP10) Homo sapiens Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014],

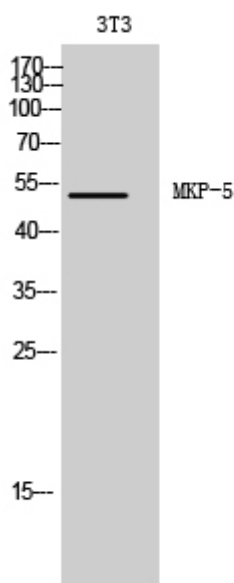
matters needing attention

Avoid repeated freezing and thawing!

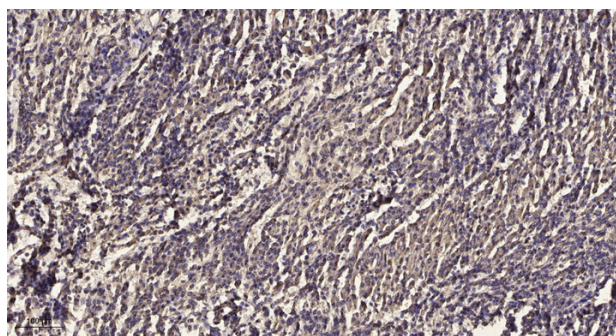
Usage suggestions

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

Products Images



Western Blot analysis of 3T3 cells using MKP-5 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human meningioma. 1, Antibody was diluted at 1:200(4 ° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).