

Product Name: MKP-5 Rabbit Polyclonal Antibody
Catalog #: APRab13936



Summary

Production Name	MKP-5 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DUSP10
Alternative Names	DUSP10; MKP5; Dual specificity protein phosphatase 10; Mitogen-activated protein kinase phosphatase 5; MAP kinase phosphatase 5; MKP-5
Gene ID	11221.0
SwissProt ID	Q9Y6W6.Synthesized peptide derived from MKP-5 . at AA range: 330-410

Application

Dilution Ratio	WB 1:500-2000 ELISA 2000-20000
Molecular Weight	52kD

Background

dual specificity phosphatase 10(DUSP10) Homo sapiens Dual specificity protein phosphatases inactivate their target

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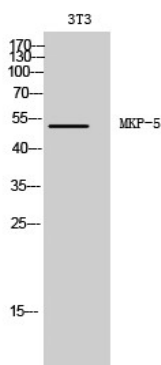


kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct 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], catalytic activity: A phosphoprotein + H₂O = a protein + phosphate., catalytic activity: Protein tyrosine phosphate + H₂O = 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.,

Research Area

MAPK_ERK_Growth; MAPK_G_Protein;

Image Data



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

Note

For research use only.