ELK Biotechnology

MKP-3 rabbit pAb

Cat No.:ES5031

For research use only

Overview

Product Name	MKP-3 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DUSP6. AA range:61-110
Specificity	MKP-3 Polyclonal Antibody detects endogenous levels of MKP-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Dual specificity protein phosphatase 6
Gene Name	DUSP6
Cellular localization	Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	42kD
Human Gene ID	1848
Human Swiss-Prot Number	Q16828
Alternative Names	DUSP6; MKP3; PYST1; Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; Mitogen-activated protein kinase phosphatase 3; MAP kinase phosphatase 3; MKP-3
Background	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily.

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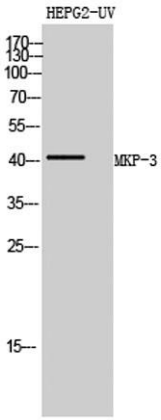
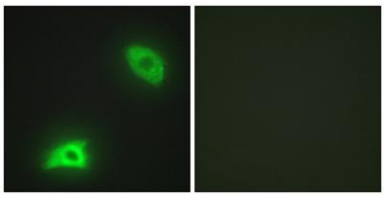
These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation 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



Western Blot analysis of HEPG2-UV cells using MKP-3 Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of HeLa cells, using DUSP6 Antibody. The picture on the right is blocked with the synthesized peptide.

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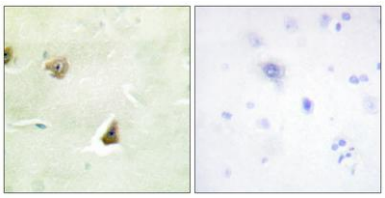
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using DUSP6 Antibody. The picture on the right is blocked with the synthesized peptide.



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