

MKP-3 (Phospho Ser197) rabbit pAb

Catalog No :	YP1748
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	MKP-3
Fields :	>>MAPK signaling pathway;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia
Gene Name :	DUSP6 MKP3 PYST1
Protein Name :	MKP-3 (Phospho-Ser197)
Human Gene Id :	1848
Human Swiss Prot No :	Q16828
Mouse Gene Id :	67603
Mouse Swiss Prot No :	Q9DBB1
Rat Gene Id :	116663
Rat Swiss Prot No :	Q64346
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, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	42kD
Background :	<p>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</p>
Function :	<p>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.,</p>
Subcellular Location :	Cytoplasm .
Expression :	Expressed in keratinocytes (at protein level).

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