



MKP-1/2 (phospho Ser296/318) rabbit pAb

Cat#: orb764373 (Manual)

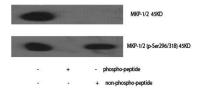
For research use only. Not intended for diagnostic use.

Product Name	MKP-1/2 (phospho Ser296/318) 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. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MKP-1/2 around the phosphorylation site of Ser296/318. AA range:261-310
Specificity	Phospho-MKP-1/2 (S296/318) Polyclonal Antibody detects endogenous levels of MKP-1/2 protein only when phosphorylated at S296/318.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Formulation Storage	
	azide
Storage	azide Store at -20°C. Avoid repeated freeze-thaw cycles.
Storage Protein Name	azide Store at -20°C. Avoid repeated freeze-thaw cycles. Dual specificity protein phosphatase 1/4
Storage Protein Name Gene Name	azide Store at -20°C. Avoid repeated freeze-thaw cycles. Dual specificity protein phosphatase 1/4 DUSP1/4

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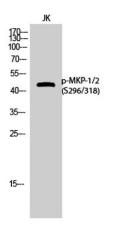
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	1843/1846
Human Swiss-Prot Number	P28562/Q13115
Alternative Names	DUSP1; CL100; MKP1; PTPN10; VH1; Dual specificity protein phosphatase 1; Dual specificity protein phosphatase hVH1; Mitogen- activated protein kinase phosphatase 1; MAP kinase phosphatase 1; MKP-1; Protein-tyrosine phosphatase CL100; DUSP4;
Background	The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus. The bacterially expressed and purified DUSP1 protein has intrinsic phosphatase activity, and specifically inactivates mitogen-activated protein (MAP) kinase in vitro by the concomitant dephosphorylation of both its phosphothreonine and phosphotyrosine residues. Furthermore, it suppresses the activation of MAP kinase by oncogenic ras in extracts of Xenopus oocytes. Thus, DUSP1 may play an important role in the human cellular response to environmental stress as well as in the negative regulation of cellular proliferati



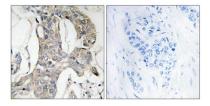
Western Blot analysis of various cells using Phospho-MKP-1/2 (S296/318) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



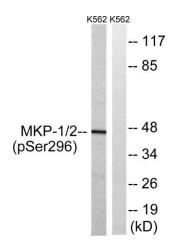
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Western Blot analysis of JK cells using Phospho-MKP-1/2 (S296/318) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MKP-1/2 (Phospho-Ser296/318) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells treated with heat shock , using MKP-1/2 (Phospho-Ser296/318) Antibody. The lane on the right is blocked with the phospho peptide.