





## MKP-1 (Phospho Ser323) Rabbit pAb

Isotype   IgG		
Reactivity         Human, Mouse,Rat           Applications         IHC,WB           Gene Name         DUSP1 CL100 MKP1 PTPN10 VH1           Protein Name         Dual specificity protein phosphatase 1 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase 1) (MKP-1) (Prot           Immunogen         Synthesized peptide derived from human MKP-1 (Phospho Ser323)           Specificity         This antibody detects endogenous levels of MKP-1 (Phospho Ser323) Rabbit pAb at Human, Mouse,Rat           Formulation         Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.           Source         Rabbit,polyclonal           Purification         The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.           Dilution         WB 1:500-2000 IHC 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Dual specificity protein phosphatase 1 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase hyl H1) (Mitogen-activated protein kinase phosphatase 1) (MAP kinase phosphatase 1) (MKP-1) (Protein-tyrosine phosphatase CL100)           Observed Band         39kD           Cell Pathway         Nucleus .           Tissue Specificity         Experiented at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower l	Catalog No	BYab-17329
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	specificity:Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney.,
Background	dual specificity phosphatase 1(DUSP1) Homo sapiens 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
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**

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