

MKP-1 (Phospho Ser323) Rabbit pAb

CatalogNo: YP1862

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, WB

MW

- 39kD (Observed)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

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. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): AGsPA

Target Information

Gene name DUSP1 CL100 MKP1 PTPN10 VH1

Protein Name 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)

Organism	Gene ID	UniProt ID
Human	1843 ;	P28562 ;
Mouse	19252 ;	P28563 ;
Rat	114856 ;	Q64623 ;

Cellular Localization Nucleus .

Tissue 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.

Function Catalytic activity:A phosphoprotein + H (2) O = a protein + phosphate. ,Catalytic activity:Protein tyrosine phosphate + H (2) O = protein tyrosine + phosphate. ,Function:Dual specificity phosphatase that dephosphorylates MAP kinase ERK2 on both 'Thr-183' and 'Tyr-185'. ,induction:By oxidative stress and heat shock. ,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. ,tissue 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. ,

Validation Data

Contact information

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