

MKP-3 Antibody

Catalog No: #48316

Package Size: #48316-1 50ul #48316-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

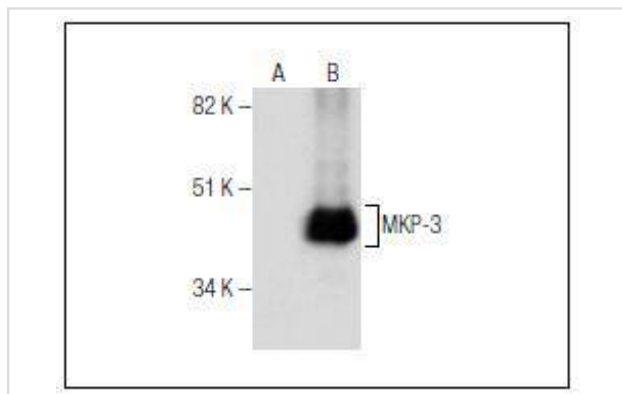
Description

Product Name	MKP-3 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3G1
Purification	ProA affinity purified
Applications	WB, IP, IF, IHC(P)
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Other Names	Dual specificity phosphatase 6 antibody Dual specificity phosphatase 6 isoform a antibody Dual specificity protein phosphatase 6 antibody Dual specificity protein phosphatase PYST1 antibody DUS6_HUMAN antibody DUSP 6 antibody DUSP 6a antibody Dusp6 antibody DUSP6a antibody HH19 antibody MAP kinase phosphatase 3 antibody Mitogen activated protein kinase phosphatase 3 antibody Mitogen-activated protein kinase phosphatase 3 antibody MKP 3 antibody MKP-3 antibody MKP3 antibody PYST 1 antibody PYST1 antibody Serine/threonine specific protein phosphatase antibody hide
Accession No.	Swiss-Prot#:Q16828
Uniprot	Q16828
GeneID	1848;
Calculated MW	42 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

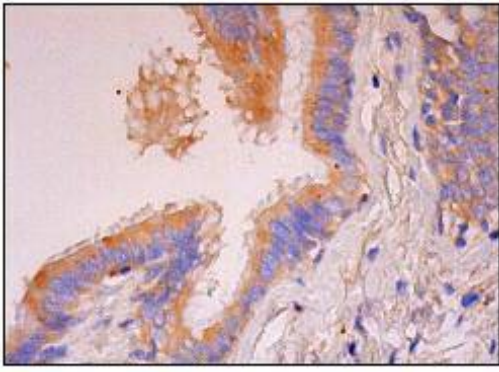
Application Details

WB: 1:100-1:1,000IHC: 1:50-1:500IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

Images



Western blot analysis of MKP-3 expression in non-transfected (A) and human MKP-3 transfected (B) 293T whole cell lysates.



Immunoperoxidase staining of formalin fixed, paraffin-embedded human bronchus tissue showing cytoplasmic staining of respiratory epithelial cells.

Background

Mitogen-activated protein (MAP) kinases are a large class of proteins involved in signal transduction pathways that are activated by a range of stimuli and mediate a number of physiological and pathological changes in the cell. Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), VHR, PAC1, MKP-2, hVH-3 (B23), hVH-5, MKP-3, MKP-X, and MKP-4. Human MKP-3 maps to chromosome 12q21.33 and encodes a 381 amino acid protein that specifically inactivates members of the ERK family and is expressed in a variety of tissues with the highest levels in heart and pancreas.

References

Note: This product is for in vitro research use only