Best Tools for immunology Research

MKK7 (Phospho Ser271/Thr275) rabbit pAb

Catalog No :	YP1404
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	MKK7
Fields :	>>MAPK signaling pathway;>>ErbB signaling pathway;>>Protein processing in endoplasmic reticulum;>>Osteoclast differentiation;>>Tight junction;>>Toll-like receptor signaling pathway;>>T cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>TNF signaling pathway;>>Neurotrophin signaling pathway;>>GnRH signaling pathway;>>Relaxin signaling pathway;>>Alcoholic liver disease;>>Alzheimer disease;>>Huntington disease;>>Pathways of neurodegeneration - multiple diseases;>>Salmonella infection;>>Yersinia infection;>>Hepatitis B;>>Kaposi sarcoma-associated herpesvirus infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Chemical carcinogenesis - reactive oxygen species;>>Lipid and atherosclerosis;>>Fluid shear stress and atherosclerosis
Gene Name :	MAP2K7 JNKK2 MEK7 MKK7 PRKMK7 SKK4
Protein Name :	MKK7 (Ser271/Thr275)
Human Gene Id :	5609
Human Swiss Prot No :	O14733
Mouse Gene Id :	26400
Mouse Swiss Prot No :	Q8CE90
Rat Gene Id :	363855
Rat Swiss Prot No :	Q4KSH7
Immunogen :	Synthesized phosho peptide around human MKK7 (Ser271 and Thr275)
Specificity :	This antibody detects endogenous levels of Human MKK7 (phospho-Ser271 or

Thr275)

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit,IgG

Dilution : WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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)

Observed Band : 47kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;ErbB_HER;Toll_Like;T_Cell_Receptor;Fc epsilon RI;Neurotrophin;GnRH;

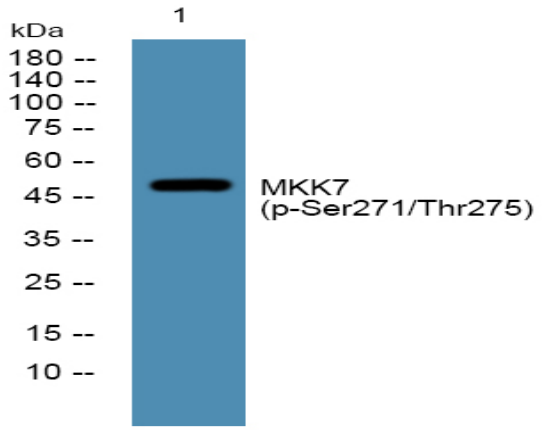
Background : The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation by specific MAP kinase kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK.,function:Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3.,PTM:Activated by phosphorylation on Ser/Thr.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.,

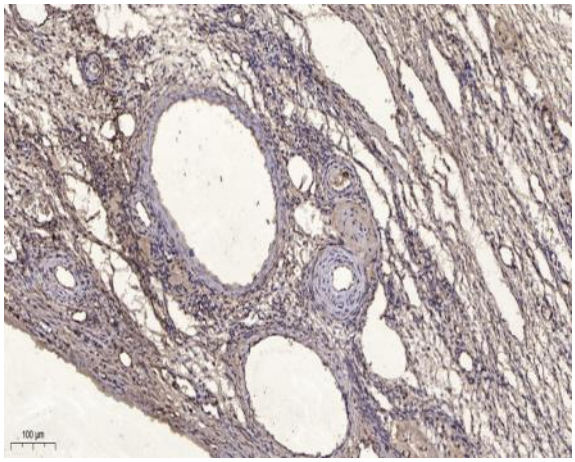
Subcellular Location : Nucleus. Cytoplasm .

Expression : Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).