

MKK-7 (Phospho Ser271/Thr275) Rabbit pAb

CatalogNo: YP1404

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 47kD (Observed)

Isotype

- IgG

Storage

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

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

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human MKK-7 (Ser271 and Thr275)

Specificity This antibody detects endogenous levels of MKK-7 only when phosphorylated at Ser271 or Thr275, and dually phosphorylated at two sites.

Target Information

Gene name MAP2K7 JNKK2 MEK7 MKK7 PRKMK7 SKK4

Protein Name MKK7 (Ser271/Thr275)

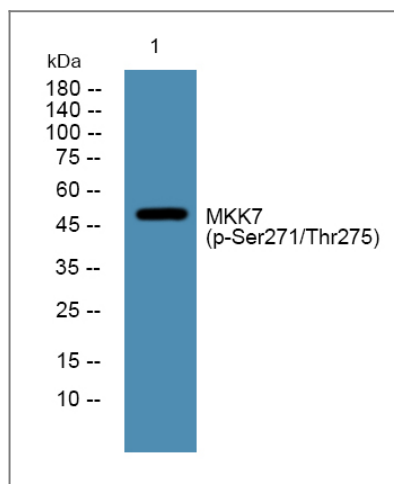
Organism	Gene ID	UniProt ID
Human	5609 ;	O14733 ;
Mouse	26400 ;	Q8CE90 ;
Rat	363855 ;	Q4KSH7 ;

Cellular Localization Nucleus. Cytoplasm .

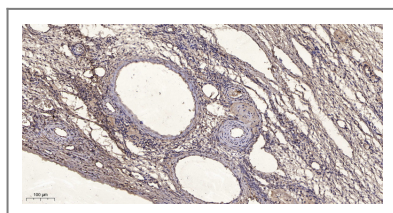
Tissue specificity Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta , fetal liver , and skeletal muscle.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,cofactor:Magnesium. ,enzyme regulation:Activated by phosphorylation by specific MAP 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. ,

Validation Data



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



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

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
MKK-7 (Phospho Ser271/Thr275) Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)