

SEK1/MKK4 (Phospho Ser257/Thr261) Rabbit pAb

CatalogNo: YP1481

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 44kD (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 SEK1 (Ser257 and Thr261)

Specificity This antibody detects endogenous levels of MEK-4 only when phosphorylated at Ser257/Thr261, and dually phosphorylated at two sites.

Target Information

Gene name MAP2K4 JNKK1 MEK4 MKK4 PRKMK4 SEK1 SERK1 SKK1

Protein Name SEK1/MKK4 (Ser257/Thr261)

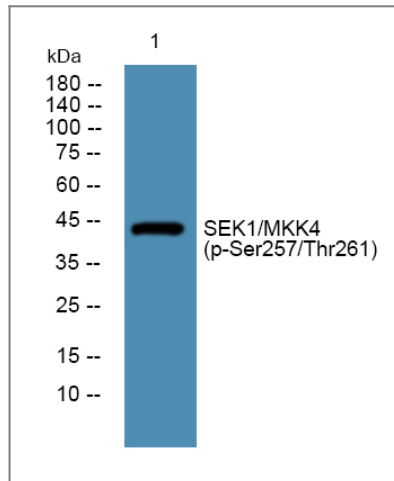
Organism	Gene ID	UniProt ID
Human	6416;	P45985;
Mouse	26398;	P47809;

Cellular Localization Cytoplasm . Nucleus .

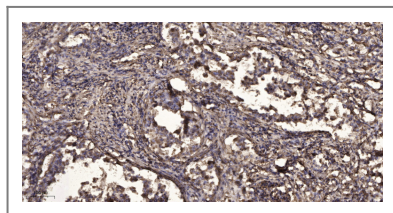
Tissue specificity Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function:Dual specificity kinase that activates the JUN kinases MAPK8 (JNK1) and MAPK9 (JNK2) as well as MAPK14 (p38) but not MAPK1 (ERK2) or MAPK3 (ERK1).,PTM:Activated by phosphorylation on Ser/Thr by MAP kinase kinase kinases.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with SPAG9.,tissue specificity:Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.,

Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°C over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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

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SEK1/MKK4
(Phospho
Ser257/Thr261)
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