

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)

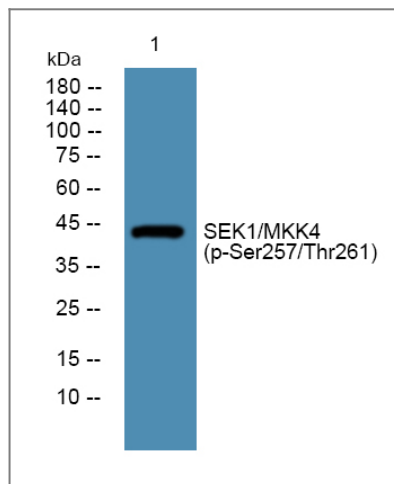
Organism	Gene ID	UniProt ID
Human	6416;	P45985;
Mouse	26398;	P47809;

Cellular Localization Cytoplasm . Nucleus .

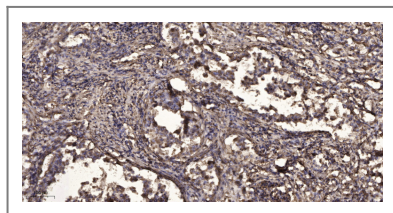
Tissue specificity Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.

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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