

## ASK1 (Phospho Thr845) Rabbit pAb

CatalogNo: YP1265

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 155kD (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 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human ASK1 (Thr845)

**Specificity** This antibody detects endogenous levels of Human ASK1 (phospho-Thr845)

### Target Information

**Gene name** MAP3K5 ASK1 MAPKKK5 MEKK5

**Protein Name** ASK1 (Thr845)

Organism	Gene ID	UniProt ID
Human	<a href="#">4217</a> ;	<a href="#">Q99683</a> ;
Mouse	<a href="#">26408</a> ;	<a href="#">O35099</a> ;

**Cellular Localization** Cytoplasm . Endoplasmic reticulum. Interaction with 14-3-3 proteins alters the distribution of MAP3K5/ASK1 and restricts it to the perinuclear endoplasmic reticulum region.

**Tissue specificity** Abundantly expressed in heart and pancreas.

**Function** Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,cofactor:Magnesium. ,enzyme regulation:Contains an N-terminal autoinhibitory domain. Activated by phosphorylation at Thr-838 , inhibited by phosphorylation at Ser-966 and Ser-1033. Binds to , and stabilizes MAP3K6 and is activated by MAP3K6 by phosphorylation on Thr-838. ,Function:Component of a protein kinase signal transduction cascade. Phosphorylates and activates MAP2K4 and MAP2K6 , which in turn activate the JNK and p38 MAP kinases , respectively. Overexpression induces apoptotic cell death. ,induction:By TNF-alpha. Inhibited by HIV-1 Nef. ,similarity:Belongs to the protein kinase superfamily. ,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. ,similarity:Contains 1 protein kinase domain. ,subunit:Homodimer when inactive. Binds both upstream activators and downstream substrates in multimolecular complexes. Associates with and inhibited by HIV-1 Nef. Interacts with DAB2IP and PPM1L. ,tissue specificity:Abundantly expressed in heart and pancreas. ,

## Validation Data

## Contact information

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**ASK1 (Phospho Thr845) Rabbit pAb**

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