ASK1 (Phospho Ser83) Rabbit pAb

CatalogNo: YP0021 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 155kD (Calculated)

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 1:500-1:2000
IHC 1:100-1:300
ELISA 1:20000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human ASK1 around the phosphorylation site of Ser83. AA range:49-98

Specificity Phospho-ASK 1 (S83) Polyclonal Antibody detects endogenous levels of ASK 1 protein only when phosphorylated at S83.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GSsVG

Target Information

Gene name MAP3K5

Protein Name Mitogen-activated protein kinase kinase kinase 5

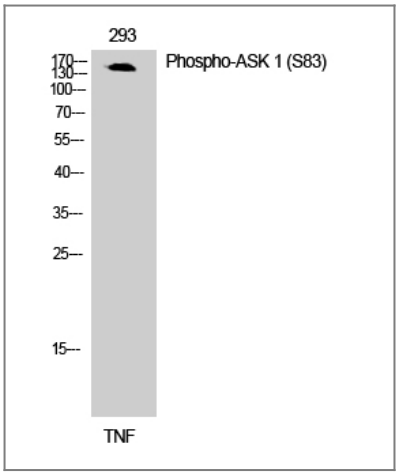
Organism	Gene ID	UniProt ID
Human	4217;	Q99683;
Mouse	26408;	O35099;

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.

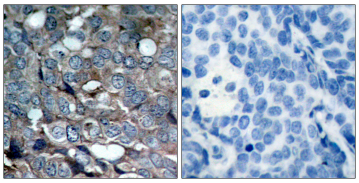
Tissue specificity Abundantly expressed in heart and pancreas.

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. ,

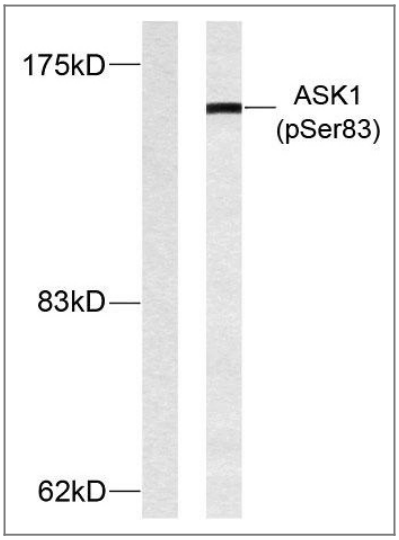
Validation Data



Western Blot analysis of 293 cells using Phospho-ASK 1 (S83) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using ASK1 (Phospho-Ser83) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from MDA-MB-435 cells treated with TNF-alpha, using ASK1 (Phospho-Ser83) Antibody. The lane on the left is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information: **ASK1 (Phospho Ser83) Rabbit pAb**

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