

ASK1 Rabbit pAb

Catalog No.: A3271 **5 Publications**

Basic Information

Observed MW

Calculated MW
155kDa

Category
Primary antibody

Applications
ELISA

Cross-Reactivity
Human, Rat

Background

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK.

Recommended Dilutions

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID 4217	Swiss Prot Q99683
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Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ASK1; MEKK5; MAPKKK5

Contact

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Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.