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

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 | Isotype | Purification |
|--------|---------|-----------------------|
| Rabbit | IgG | Affinity purification |

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.