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Product datasheet for TA305959

ASK1 (MAP3K5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, IF, WB
Recommended Dilution:	ASK1 antibody can be used for detection of ASK1 by Western blot at 0.5 µg/mL. A 155 kDa band can be detected. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ASK1 antibody was raised against a peptide corresponding to amino acids near the carboxy terminus of human ASK1 This sequence is different from that of mouse by last two amino acids.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	ASK1 Antibody is DEAE purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mitogen-activated protein kinase kinase kinase 5
Database Link:	NP_005914 Entrez Gene 4217 Human Q99683

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Background: Mitogen-activated protein (MAP) kinase cascades are activated in response to various extracellular stimuli, including cytokines, growth factors and environmental stresses. A novel MAP kinase kinase kinase (MAPKKK) was recently identified and designated ASK1 (for apoptosis signal-regulating kinase 1) and MAPKKK5. ASK1 activated two different subgroups of MAPKK, MKK4 and MKK6, which in turn activated c-Jun N-terminal kinase (JNK) and p38 MAP kinase, respectively. ASK1/MAPKKK5 is activated by TNFR and Fas through the interaction with members of the TRAF family and Fas-associated protein Daxx. Overexpression of ASK1 induced apoptotic cell death, and a catalytically inactive form of ASK1 inhibited TNF-alpha-induced apoptosis. ASK1 is expressed in variety of human and mouse tissues.

Synonyms: ASK1; MAPKKK5; MEKK5

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway, Neurotrophin signaling pathway