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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MAPKKK5 (CT), (ASK 1(CT). Rabbit Polyclonal Antibody

Apoptosis signal-regulating kinase 1, ASK1, MAPK/ERK kinase kinase 5, MAPKKK5, MEKK5

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 (1-3). 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-α-induced apoptosis. ASK1 is expressed in variety of human and mouse tissues.

Ordering Information

Catalog Number
X1124P

Size
100 μg

Form
Unconjugated

Host/Clone
Rabbit

Formulation
Provided in phosphate buffered saline solution containing 0.02% sodium azide as a preservative

Concentration
See vial for concentration

Isotype
IgG

Applications
Western Blot

Species Reactivity
Human

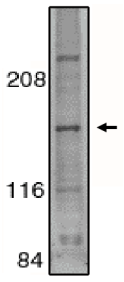
Accession Number

Human	Q99683

Immunogen

Synthetic peptide corresponding to amino acids 1356 to 1375 of human ASK1 protein. Immunogen sequence differs in mouse by last two amino acids.

Western blot analysis using anti-ASK1 antibody at 1 μg/ml on SW1353 whole cell lysate.



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Positive Control/Tissue Expression

SW1353 whole cell lysate

Comments

Detects ASK1 by Western blot at 0.5 to 1 μg/ml. Detects a 155 kDa band in SW1353 whole cell lysate. Optimal concentration should be evaluated by serial dilutions.

Purification

Antigen Immunoaffiinity Purification

Ship Conditions

Ship at ambient temperature, freeze upon arrival

Storage Customer

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

1. Ichijo, H., et al., 'Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways.' Science 1997, 275, 90-94

2. Wang, X.S., et al., 'Molecular cloning and characterization of a novel protein kinase with a catalytic domain homologous to mitogen-activated protein kinase kinase kinase.' J. Biol. Chem. 1996, 271, 31607-31611

3. Tobiume, K., et al., 'Molecular cloning and characterization of the mouse apoptosis signal-regulating kinase 1.' Biochem. Biophys. Res. Commun. 1997, 239, 905-910

Product Specific References

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