

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-ASK1 Antibody

ORDERING INFORMATION

Catalog No.: 1151

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

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 (apoptosis signal-regulating kinase 1) and MAPKKK5. ASK1 activates two different subgroups of MAPKK, MKK4 and MKK6, which in turn activate c-jun N-terminal kinase (JNK) and p36 MAP kinase. 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 induces apoptotic cell death. A catalytically inactive form of ASK1 inhibits TNF α -induced apoptosis. ASK1 is expressed in a variety of human and mouse tissues.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 1356-1375 of human ASK1. This peptide sequence is different from that of mouse in the last two amino acids.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human ASK1 (155 kD).

APPLICATIONS

Immunoblotting : use at 1:500-1:1,000 dilution.

Positive control: Whole cell lysate from SW1353 cells.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.