ASK1 Antibody

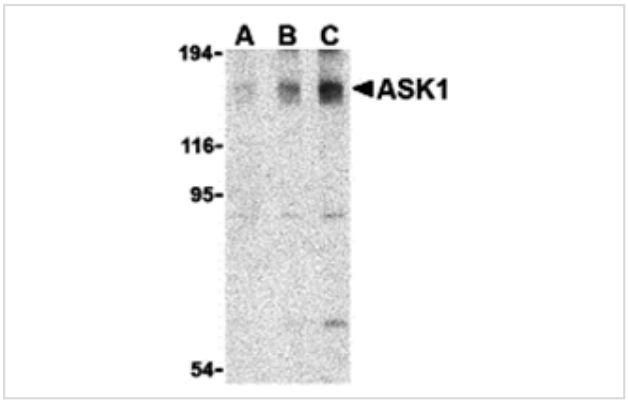
Catalog No: #24380

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

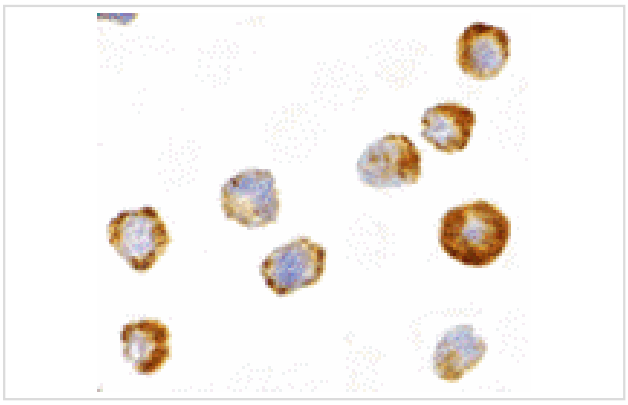
Description

Product Name	ASK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human ASK1.
Target Name	ASK1
Other Names	Apoptosis signal-regulating kinase, MAPKKK, MEK kinase 5
Accession No.	Swiss-Prot:Q99683Gene ID:4217
Uniprot	Q99683
GeneID	4217;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ASK1 in SW1353 cell lysate with ASK1 antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunocytochemistry of ASK1 in A431 cells with ASK1 antibody at 2 ug/mL.

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-α-induced apoptosis. ASK1 is expressed in variety of tissues and cell lines.

Note: This product is for in vitro research use only