

Datasheet for ABIN499347

anti-ASK1 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	ASK1 (MAP3K5)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human ASK1 Peptide
Isotype:	IgG
Specificity:	ASK1 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human ASK1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	ASK1 (MAP3K5)
Alternative Name:	MEKK5 / ASK1 (MAP3K5 Products)
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

Target Details

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 tissues and cell lines. Synonyms: Apoptosis signal-regulating kinase 1, MAP3K5, MAPK/ERK kinase kinase 5, MAPKKK5, Mitogen-activated protein kinase kinase kinase 5

Gene ID:	4217
UniProt:	Q99683
Pathways:	MAPK Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	ELISA. Western Blot: ASK1 antibody can be used for the detection of ASK1 at 1 - 2 μ g/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

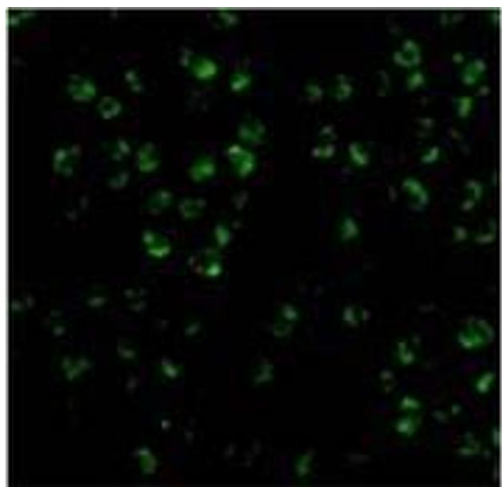
Handling

Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of ASK1 in A431 cells with AP30086PU-N ASK1 antibody at 2 µg/ml.



Immunofluorescence

Image 2. Immunofluorescence of ASK1 in 3T3 cells with AP30086PU-N ASK1 antibody at 20 µg/ml.



Western Blotting

Image 3. Western blot analysis of ASK1 in SW1353 cell lysate with AP30086PU-N ASK1 antibody at (A) 0.5, (B) 1, and (C) 2 µg/ml.