

Datasheet for ABIN7160045
anti-ASK1 antibody (AA 363-431)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ASK1 (MAP3K5)
Binding Specificity:	AA 363-431
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASK1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Mitogen-activated protein kinase kinase kinase 5 protein (363-431AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ASK1 (MAP3K5)
Alternative Name:	MAP3K5 (MAP3K5 Products)
Background:	Background: Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses

Target Details

evoked by changes in the environment. Mediates signaling for determination of cell fate such as differentiation and survival. Plays a crucial role in the apoptosis signal transduction pathway through mitochondria-dependent caspase activation. MAP3K5/ASK1 is required for the innate immune response, which is essential for host defense against a wide range of pathogens. Mediates signal transduction of various stressors like oxidative stress as well as by receptor-mediated inflammatory signals, such as the tumor necrosis factor (TNF) or lipopolysaccharide (LPS). Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K4/SEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7. These MAP2Ks in turn activate p38 MAPKs and c-jun N-terminal kinases (JNKs). Both p38 MAPK and JNKs control the transcription factors activator protein-1 (AP-1).
Aliases: Apoptosis signal regulating kinase 1 antibody, Apoptosis signal-regulating kinase 1 antibody, ASK 1 antibody, ASK-1 antibody, ASK1 antibody, M3K5 antibody, M3K5_HUMAN antibody, MAP/ERK kinase kinase 5 antibody, MAP3K5 antibody, MAPK/ERK kinase kinase 5 antibody, MAPKKK5 antibody, MEK kinase 5 antibody, MEKK 5 antibody, MEKK5 antibody, Mitogen activated protein kinase kinase kinase 5 antibody, Mitogen-activated protein kinase kinase kinase 5 antibody

UniProt: [Q99683](#)

Pathways: [MAPK Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

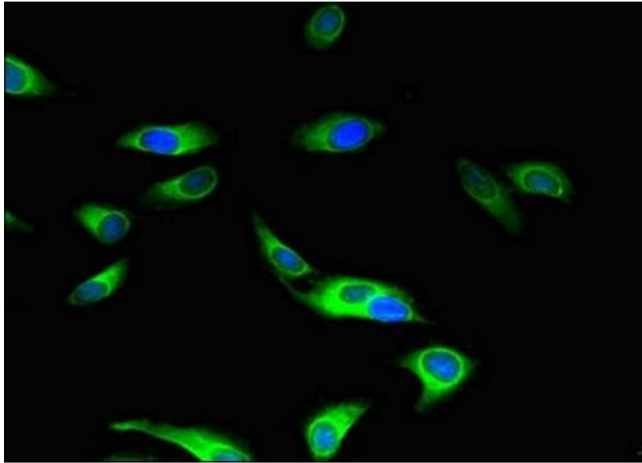
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

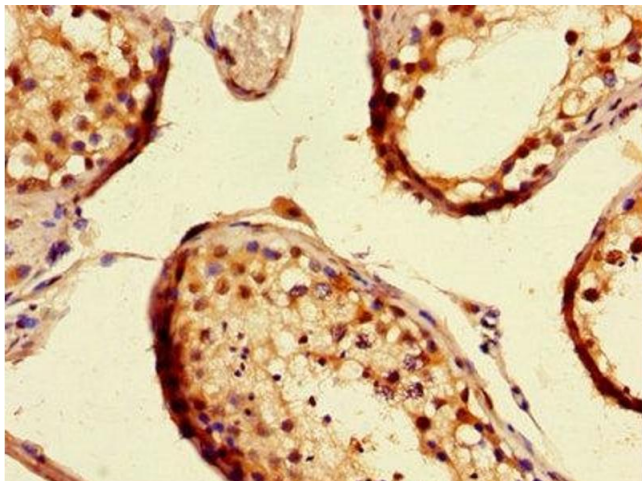
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7160045 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7160045 at dilution of 1:100