

ASK1 Antibody

Catalog No: #21125

Package Size: #21125-1 50ul #21125-2 100ul

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

Description

Product Name	ASK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total ASK1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.81~85 (G-S-S-V-G) derived from Human ASK1.
Target Name	ASK1
Other Names	ASK-1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5
Accession No.	Swiss-Prot: Q99683NCBI Protein: NP_005914.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

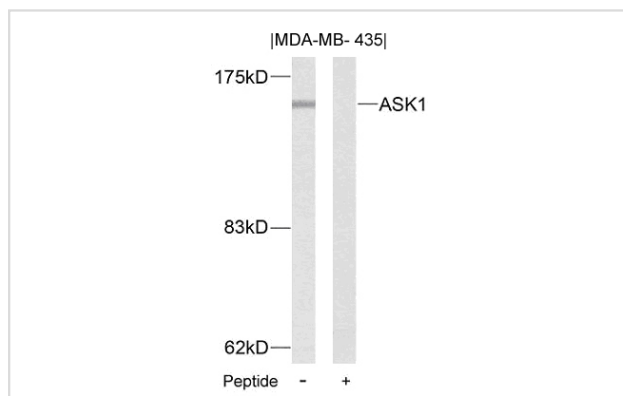
Predicted MW: 155kd

Western blotting: 1:500~1:1000

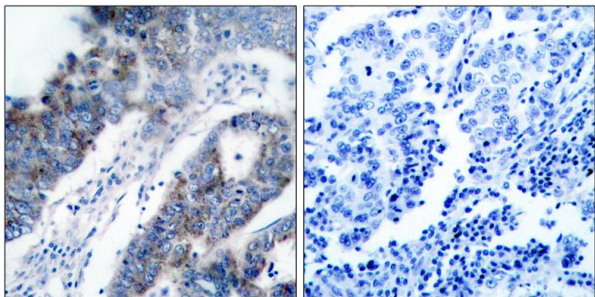
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

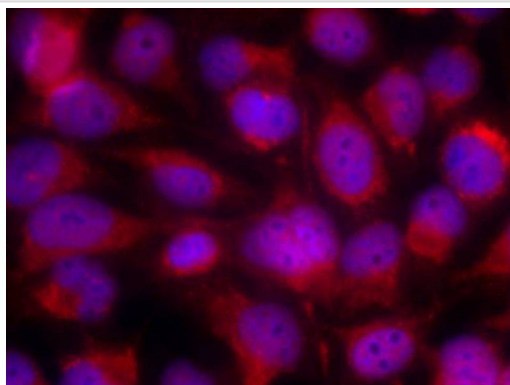
Images



Western blot analysis of extracts from MDA-MB-435 cells using ASK1(Ab-83) Antibody #21125 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ASK1(Ab-83) Antibody #21125(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using ASK1(Ab-83) Antibody #21125.

Background

Component of a protein kinase signal transduction cascade. Phosphorylates and activates MAP2K4 and MAP2K6, which in turn activate the JNK and p38 MAP kinases, respectively. Overexpression induces apoptotic cell death.

Mabuchi S, et al. (2004) *Endocrinology*. 145(1): 49-58.

Yuan ZQ, et al. (2003) *J Biol Chem*. 278(26): 23432-23440.

Kim AH, et al. (2001) *Mol Cell Biol*. 21(3): 893-901.

Published Papers

et al., ASK1 ζ NK signaling cascade mediates Ad ζ $\pm$ T13 ζ induced apoptosis in colorectal HCT116 cells. In *J Cell Biochem* on 2010 Jun 1 by Min Yang, Mingcan Yu, et al..PMID:20512919 , , ()

[PMID:20512919](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.