ASK1(Phospho-Ser83) Antibody

Catalog No: #11178

Package Size: #11178-1 50ul #11178-2 100ul #11178-4 25ul

Overview

Product Name	ASK1(Phospho-Ser83) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	ASK1
Modification	Phospho-Ser83
Alternative Names	ASK-1; M3K5; MAP3K5; MAPK/ERK kinase kinase 5; MAPKKK5

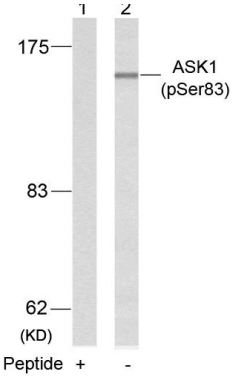
Application Details

Predicted MW: 155kd

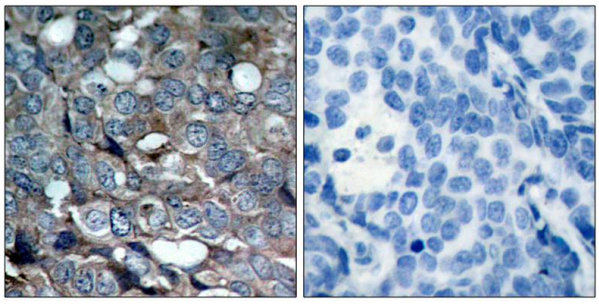
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

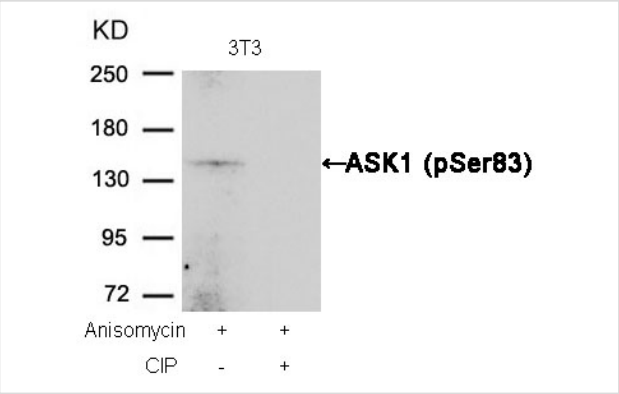
Images



Western blot analysis of extracts from K562 cells using ASK1(Phospho-Ser83) Antibody #11178(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ASK1(Phospho-Ser83) Antibody #11178(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from 3T3 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using ASK1 (Phospho-Ser83) Antibody #11178.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 83 (G-S-S(p)-V-G) derived from Human ASK1.
Specificity	The antibody detects endogenous level of ASK1 only when phosphorylated at serine 83.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: Q99683NCBI Protein: NP_005914.1

Related Information

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

Min Yang, Mingcan Yu, Dongyin Guan el at., ASK1-JNK signaling cascade mediates Ad-ST13-induced apoptosis in colorectal HCT116 cells., Journal of Cellular Biochemistry, 110(3), 581 - 588(2010)
PMID:20512919

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