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Product datasheet for AP02662PU-N

ASK1 (MAP3K5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Immunofluorescence:** 1/100 - 1/200. **Immunohistochemistry on Paraffin-Embedded Sections:** 1/50 - 1/100. **Western Blot:** 1/500 - 1/1000; Incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0,1% Tween-20 at 4°C with gentle shaking, overnight.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH Peptide sequence around aa.964~968 (S-I-S-L-P) derived from Human ASK1.
Specificity:	This antibody detects endogenous levels of total ASK1 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	mitogen-activated protein kinase kinase kinase 5
Database Link:	Entrez Gene 4217 Human Q99683

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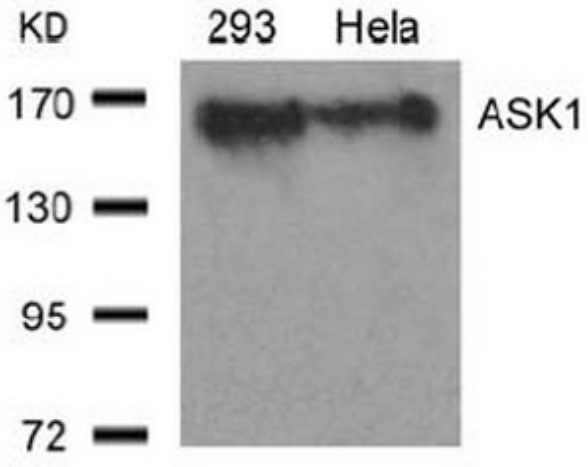
Background: Mitogen activated protein (MAP) kinase cascades are activated in response to various extracellular stimuli including cytokines, growth factors and environmental stresses. A novel MAP kinase kinase kinase (MAPKKK) was recently identified and designated ASK1 (for apoptosis signal-regulating kinase 1). ASK1 activates two different subgroups of MAPKK, MKK4 and MKK6, which in turn activate c-Jun N terminal kinase (JNK) and p38 MAP kinase, respectively. ASK1 is activated by TNFR and Fas through the interaction with members of the TRAF family and Fas associated protein Daxx. Overexpression of ASK1 induces apoptotic cell death, and a catalytically inactive form of ASK1 inhibits TNF alpha-induced apoptosis. ASK1 is expressed in variety of human and mouse tissues.

Synonyms: MAPK/ERK kinase kinase 5, MAPKKK5, MAP3K5

Product images:



Western Blot analysis of extracts from 293 and HeLa cells using ASK1 antibody

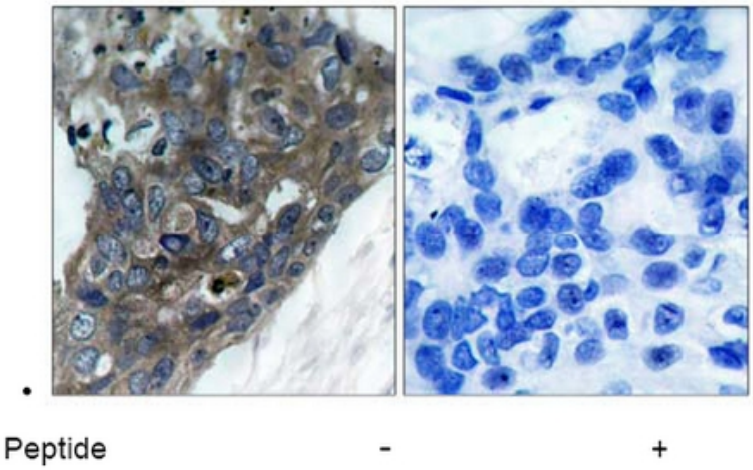


Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using ASK1 antibody.

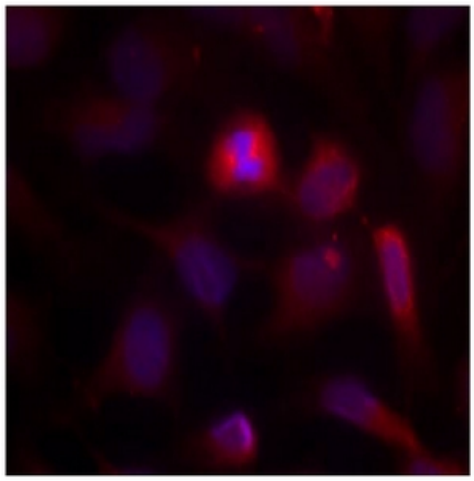


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using ASK1 antibody (Red).