Anti-ASK1 antibody ab131506

Overview

Product name: Anti-ASK1 antibody
Description: Rabbit polyclonal to ASK1
Host species: Rabbit
Specificity: This antibody detects endogenous levels of total ASK1 protein
Tested applications: Suitable for: WB, IHC-P, ICC/IF
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide from around amino acids 964-968 (SISLP) of Human ASK1 (NP_005914.1)
Positive control: HeLa cells, 293 cell extract, Human breast carcinoma tissue.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 48% PBS, 50% Glycerol, 0.88% Sodium chloride
Note: PBS without Mg²⁺ and Ca²⁺
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab131506 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function
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.

### Tissue specificity
Abundantly expressed in heart and pancreas.

### Sequence similarities
Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 protein kinase domain.

### Post-translational modifications
Dephosphorylated and activated by PGAM5.

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### Target

#### Images

**Western blot - Anti-ASK1 antibody (ab131506)**

- **All lanes**: Anti-ASK1 antibody (ab131506) at 1/500 dilution
- **Lane 1**: 293 cell extract
- **Lane 2**: HeLa cell extract
- **Predicted band size**: 155 kDa

Western blot - Anti-ASK1 antibody (ab131506)
Immunofluorescence analysis of methanol fixed HeLa cells labelled with ab131506 at 1/100 dilution.

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labelled with ab131506 at 1/50 dilution (left) and ab131506 preincubated with blocking peptide (right).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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