Product datasheet

Anti-ASK1 (phospho S83) antibody ab47304

Overview

Product name: Anti-ASK1 (phospho S83) antibody
Description: Rabbit polyclonal to ASK1 (phospho S83)
Host species: Rabbit
Specificity: ab47304 detects endogenous levels of ASK1 only when phosphorylated at serine 83.
Tested applications: Suitable for: WB, IHC-P, ELISA
Species reactivity: Reacts with: Human
Immunogen: synthesized phosphopeptide derived from human ASK1 around the phosphorylation site of serine 83 (G-S-SP-V-G)
Positive control: Human breast carcinoma tissue and TNF alpha stimulated K562 cell extracts

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: PBS, 50% Glycerol, 0.87% Sodium chloride
Purity: Immunogen affinity purified
Purification notes: The antibody was purified using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab47304 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.

Target

Application | Abreviews | Notes
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WB | 1/500 - 1/1000. Detects a band of approximately 155 kDa (predicted molecular weight: 155 kDa). |
IHC-P | Use at an assay dependent concentration. |
ELISA | 1/20000. |
ELISA | 1/20000. |

Target

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ASK1 (phospho S83) antibody (ab47304)

ab47304 staining human breast carcinoma tissue by IHC-P (left hand panel). The right hand panel shows staining in the presence of phospho-peptide.
**Western blot - Anti-ASK1 (phospho S83) antibody (ab47304)**

**All lanes**: Anti-ASK1 (phospho S83) antibody (ab47304)

**Lane 1**: TNF alpha stimulated K562 cells

**Lane 2**: K562 cells

**Predicted band size**: 155 kDa

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

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