# Product datasheet

## Anti-ASK1 (phospho S83) antibody ab47304

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| **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

Function
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Images

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 AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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