


Product datasheet

Anti-MKK7 (phospho S271 + T275) antibody ab4762

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-MKK7 (phospho S271 + T275) antibody
Description	Rabbit polyclonal to MKK7 (phospho S271 + T275)
Host species	Rabbit
Specificity	This antibody does not react with other MEK isoforms.
Tested applications	Suitable for: WB
Species reactivity	<p>Predicted to work with: Mouse </p>
Immunogen	Synthetic peptide corresponding to Human MKK7 (phospho S271 + T275).
Positive control	WB: Fusion protein expressing MEK 7.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	<p>pH: 7.30</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 0.1% BSA</p> <p>BSA is IgG and protease free</p>
Purity	Immunogen affinity purified
Purification notes	Purified from rabbit serum by sequential epitope specific chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated MEK 7. The final product is

generated by affinity chromatography using an MEK 7 derived peptide that is phosphorylated at serine 271 and threonine 275.

Clonality	Polyclonal
Isotype	IgG

Applications

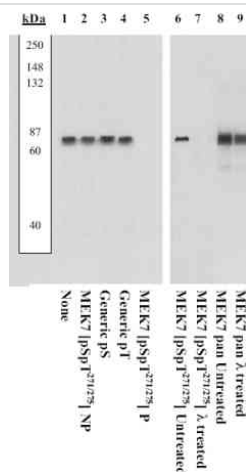
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab4762 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 0.1 - 1 µg/ml. Predicted molecular weight: 38 kDa.

Target

Function	Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3.
Tissue specificity	Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.
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	Activated by phosphorylation on Ser/Thr.
Cellular localization	Nucleus. Cytoplasm.

Images



Western blot - Anti-MKK7 (phospho S271 + T275)
antibody (ab4762)

Peptide Competition: Extracts prepared from background extracts with tagged fusion protein expressing MEK 7 added were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer overnight at 4°C, then were incubated with 0.50 µg/mL ab4762 antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1), the non-phosphopeptide corresponding to the

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