abcam

## Product datasheet

# Anti-MAP3K8/COT (phospho S400) antibody ab192667

1 Image

### Overview

| | |
|---|---|
| **Product name** | Anti-MAP3K8/COT (phospho S400) antibody |
| **Description** | Rabbit polyclonal to MAP3K8/COT (phospho S400) |
| **Host species** | Rabbit |
| **Specificity** | ab192667 detects endogenous levels of MAP3K8/COT only when phosphorylated at serine 400. |
| **Tested applications** | **Suitable for:** IHC-P |
| **Species reactivity** | **Reacts with:** Human<br>**Predicted to work with:** Mouse, Rat |
| **Immunogen** | Synthetic peptide within Human MAP3K8/COT (phospho S400) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. (C-Q-S(p)-L-D).<br>Database link: P41279 |
| **Positive control** | Human brain tissue. |
| **General notes** | This product was previously labelled as MAP3K8 |

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| **Storage buffer** | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 49% PBS, 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine)<br><br>PBS without $Mg^{2+}$ and $Ca^{2+}$. |
| **Purity** | Immunogen affinity purified |
| **Purification notes** | ab192667 was purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

## Applications

Our Abpromise guarantee covers the use of **ab192667** in the following tested applications.

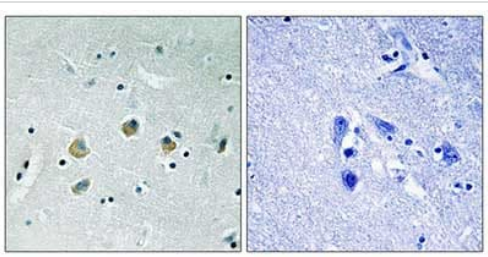
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| IHC-P | | 1/50 - 1/100. |

## Target

| | |
|---|---|
| **Function** | Required for TLR4 activation of the MEK/ERK pathway. Able to activate NF-kappa-B 1 by stimulating proteasome-mediated proteolysis of NF-kappa-B 1/p105. Plays a role in the cell cycle. The longer form has some transforming activity, although it is much weaker than the activated cot oncoprotein. |
| **Tissue specificity** | Expressed in several normal tissues and human tumor-derived cell lines. |
| **Sequence similarities** | Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.<br>Contains 1 protein kinase domain. |
| **Developmental stage** | Isoform 1 is activated specifically during the S and G2/M phases of the cell cycle. |
| **Post-translational modifications** | Autophosphorylated. Isoform 1 undergoes phosphorylation mainly on Ser residues, and isoform 2 on both Ser and Thr residues. |
| **Cellular localization** | Cytoplasm. |

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP3K8/COT (phospho S400) antibody (ab192667)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling MAP3K8/COT (phospho S400) with ab192667 at 1/50 dilution in the absence (left) or presence (right) of blocking peptide.



## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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