

## Product datasheet

# Anti-MEK3 antibody - Aminoterminal end ab70846

[2 Images](#)

### Overview

<b>Product name</b>	Anti-MEK3 antibody - Aminoterminal end
<b>Description</b>	Rabbit polyclonal to MEK3 - Aminoterminal end
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide selected from the N-terminal region of human MKK3 conjugated to KLH
<b>Positive control</b>	Jurkat cell lysate, human breast carcinoma tissue

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab70846** 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
ELISA		1/1000.
WB		1/100 - 1/500. Detects a band of approximately 30 kDa (predicted molecular weight: 39 kDa).
IHC-P		1/50 - 1/100.

## Target

### Function

Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38.

### Tissue specificity

Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.

### Involvement in disease

Note=Defects in MAP2K3 may be involved in colon cancer.

### Sequence similarities

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.

Contains 1 protein kinase domain.

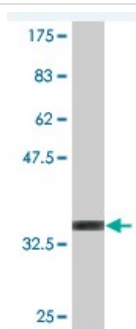
### Post-translational modifications

Autophosphorylated.

Phosphorylation on Ser-218 and Thr-222 by MAP kinase kinase kinases regulates positively the kinase activity.

Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.

## Images



Western blot - MEK3 antibody - Aminoterminal end (ab70846)

Anti-MEK3 antibody - Aminoterminal end (ab70846) at 1/100 dilution + Jurkat cell lysate at 12.5  $\mu$ g

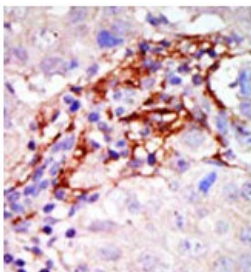
### Secondary

HRP-anti-rabbit

Developed using the ECL technique

**Predicted band size** : 39 kDa

**Observed band size** : 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - MEK3 antibody - Aminoterminal end (ab70846)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with 1/50 ab70846. A peroxidase-conjugated secondary antibody, followed by AEC staining.

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