

Product datasheet

Anti-MEK3 antibody - Aminoterminal end ab70846

[2 Images](#)

Overview

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

Properties

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

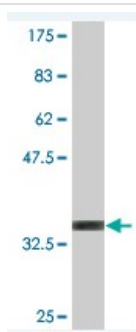
Post-translational modifications

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 μ g

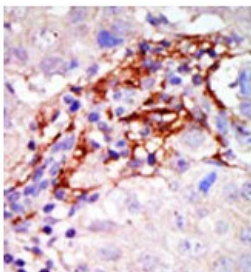
Secondary

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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