abcam

Product datasheet

Anti-MEK5 antibody ab37775

1 Image

Overview

Product name	Anti-MEK5 antibody
Description	Rabbit polyclonal to MEK5
Host species	Rabbit
Tested applications	**Suitable for:** ELISA, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Cynomolgus monkey
Immunogen	Synthetic peptide: CRALEERRSQQGPP conjugated to KLH, corresponding to C terminal amino acids 425-438 of Human MEK5 Run BLAST with Run BLAST with
Positive control	Ramos cell lysate.

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.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab37775 in the following tested applications.

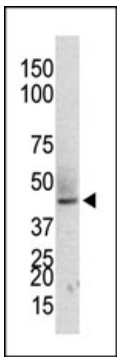
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000.
WB		1/100 - 1/500. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).

Target

Function	Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appear to play a critical role in protecting cells from stress-induced apopotosis, neuronal survival and cardiac development and angiogenesis.
Tissue specificity	Expressed in many adult tissues. Abundant in heart and skeletal muscle.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily. Contains 1 OPR domain. Contains 1 protein kinase domain.
Domain	Binds MAP3K2/MAP3K3 and MAPK7 via non-overlapping residues of the OPR domain. This domain also mediates interactions with SQSTM1 and PARD6A.
Post-translational modifications	Activated by phosphorylation on Ser/Thr by MAP kinase kinase kinases. Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.

Images



Western blot - Anti-MEK5 antibody (ab37775)

Anti-MEK5 antibody (ab37775) + Ramos cell lysate

Secondary
HRP-anti-rabbit

Developed using the ECL technique.

Predicted band size: 49 kDa
Observed band size: 49 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors