

Product datasheet

Anti-MNK1 antibody ab56430

[2 Images](#)

Overview

Product name	Anti-MNK1 antibody
Description	Mouse monoclonal to MNK1
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein, corresponding to amino acids 1-466 of Human MNK1

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	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab56430** 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		
IHC-P		

Application notes	WB: Use at a concentration of 1-5 µg/ml. IHC-P: Use at a concentration of 3 µg/ml.
--------------------------	---

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

May play a role in the response to environmental stress and cytokines. Appears to regulate transcription by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.

Tissue specificity

Ubiquitous.

Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.

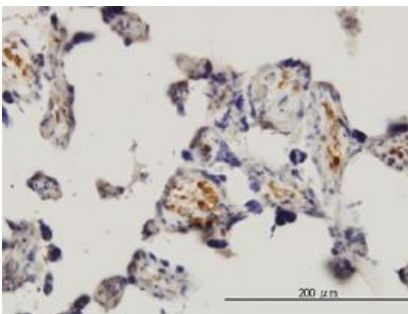
Post-translational modifications

Dual phosphorylation of Thr-250 and Thr-255 activates the kinase. Phosphorylation of Thr-385 activates the kinase.

Cellular localization

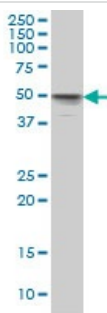
Cytoplasm and Cytoplasm. Nucleus.

Anti-MNK1 antibody images



IHC-P - MNK1 antibody (ab56430)

MNK1 antibody (ab56430) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human placenta.



Western blot - MNK1 antibody (ab56430)

Predicted band size : 51 kDa

MNK1 antibody (ab56430) at 1ug/lane + HeLa cell lysate at 25ug/lane.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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 <http://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