

Product datasheet

Anti-MAP4K4/NIK antibody ab155583

[7 References](#) [3 Images](#)

Overview

Product name	Anti-MAP4K4/NIK antibody
Description	Rabbit polyclonal to MAP4K4/NIK
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human MAP4K4/NIK aa 383-437.
Positive control	293T, HeLa, HepG2, MOLT4 and Raji whole cell lysates; HeLa cells; Human SNU1 xenograft tissue.
General notes	Keep as a concentrated solution. This product was previously labelled as MAP4K4

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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab155583** in the following tested applications.

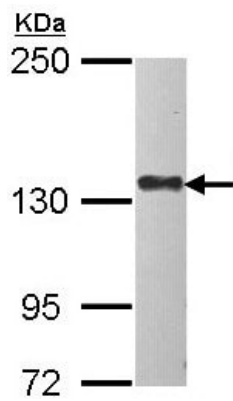
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 142 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

Target

Function	Serine/threonine kinase that may play a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway.
Tissue specificity	Appears to be ubiquitous. Expressed in all tissue types examined. Isoform 5 appears to be more abundant in the brain. Isoform 4 is predominant in the liver, skeletal muscle and placenta.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CNH domain. Contains 1 protein kinase domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm.

Images

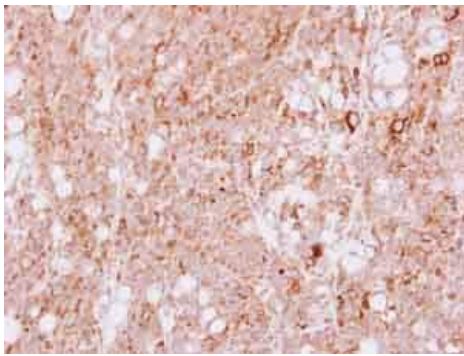


Western blot - Anti-MAP4K4/NIK antibody
(ab155583)

Anti-MAP4K4/NIK antibody (ab155583) at 1/1000 dilution + Raji
whole cell lysate at 30 μ g

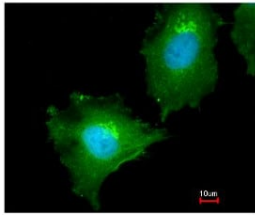
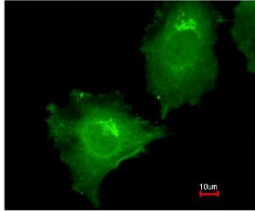
Predicted band size: 142 kDa

5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-MAP4K4/NIK antibody
(ab155583)

Immunohistochemical analysis of paraffin-embedded Human SNU1
xenograft tissue labeling MAP4K4/NIK with ab155583 at 1/250
dilution.



Immunofluorescent analysis of paraformaldehyde-fixed HeLa cells labeling MAP4K4/NIK with ab155583 at 1/200 dilution. Lower image shows cells co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-MAP4K4/NIK antibody (ab155583)

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

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