


Product datasheet

Anti-MAP4K4/NIK antibody ab80418

[1 References](#) [2 Images](#)

Overview

Product name	Anti-MAP4K4/NIK antibody
Description	Rabbit polyclonal to MAP4K4/NIK
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Whole cell lysate from HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab80418 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		1/2000 - 1/10000. Predicted molecular weight: 142 kDa.
IP		Use at 2-5 µg/mg of lysate.

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.

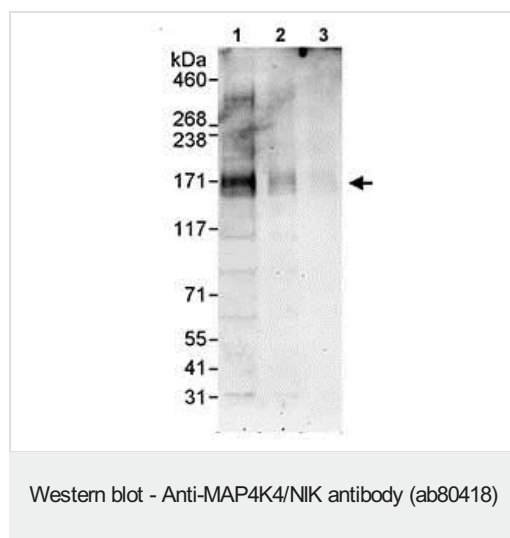
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Cytoplasm.

Images



All lanes : Anti-MAP4K4/NIK antibody (ab80418) at 0.1 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

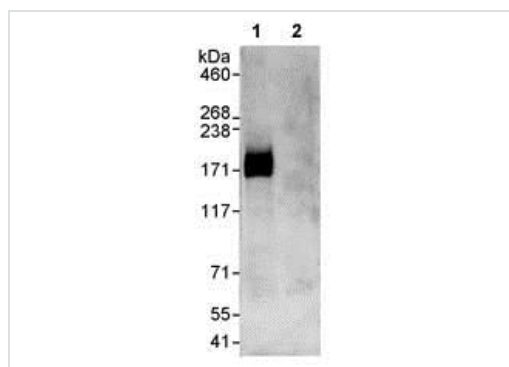
Lane 3 : Whole cell lysate from HeLa cells at 5 µg

Developed using the ECL technique.

Predicted band size: 142 kDa

Observed band size: 171 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-MAP4K4/NIK antibody
(ab80418)

Detection of Human MAP4K4/NIK in Immunoprecipitates of whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded) using ab80418 at 3 µg/mg lysate for IP (lane 1). For subsequent WB detection, 1 µg/ml of ab80418 was used. Detection was by chemiluminescence with an exposure time of 30 seconds. Lane 2 represents control IgG IP.

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

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