

Product datasheet

Anti-MAP4K3 antibody ab103481

1 References 3 Images

Overview

Product name	Anti-MAP4K3 antibody
Description	Rabbit polyclonal to MAP4K3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant Human MAP4K3.
Positive control	HepG2 cell line lysates. Brain tissue. This antibody gave a positive result in IF/ICC when used in the following methanol fixed cell lines: MALME-3M.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Immunogen affinity purified
Purification notes	This antibody is purified through a protein A column, followed by protein affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab103481** 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		1/100 - 1/500. Predicted molecular weight: 101 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

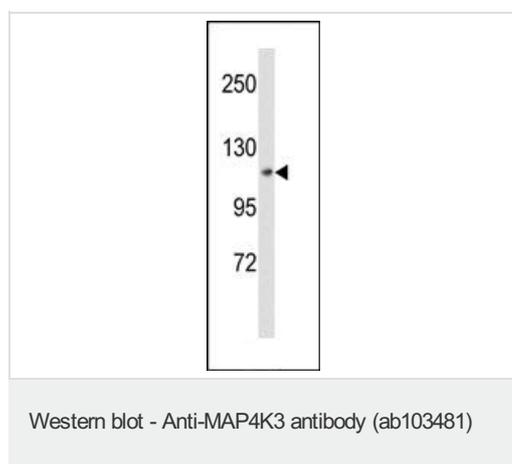
Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.

Target

Relevance May play a role in the response to environmental stress. This gene encodes a member of the Ste20 family of serine/threonine protein kinases. The protein belongs to the subfamily that consists of members, such as germinal center kinase (GCK), that are characterized by an N-terminal catalytic domain and C-terminal regulatory domain. The protein specifically activates the c-Jun N-terminal kinase (JNK) signaling pathway.

Cellular localization Cytoplasmic and Nuclear

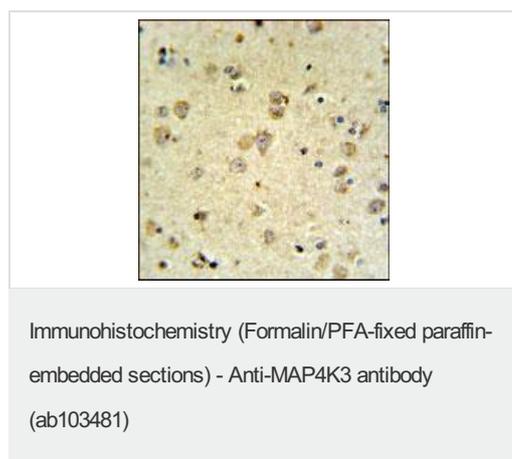
Images



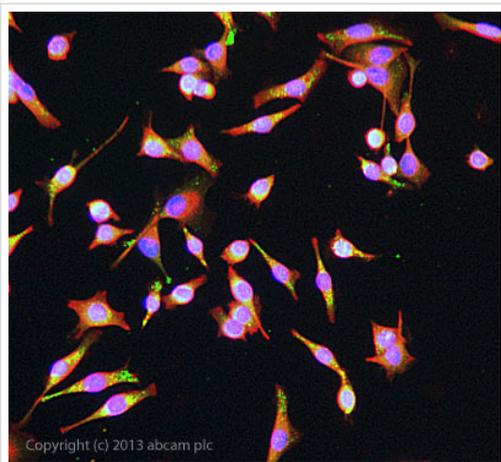
Anti-MAP4K3 antibody (ab103481) at 1/100 dilution + HepG2 cell line lysates at 35 µg

Developed using the ECL technique.

Predicted band size: 101 kDa



ab103481 at 1/50 dilution staining MAP4K3 in formalin-fixed and paraffin-embedded brain tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Detection utilised DAB.



Immunocytochemistry/ Immunofluorescence - Anti-MAP4K3 antibody (ab103481)

ICC/IF image of ab103481 stained MALME-3M cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab103481 at 10µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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