

Product datasheet

Anti-MAP3K4 antibody [EP551Y] ab40784

Recombinant RabMAb

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

Overview

Product name	Anti-MAP3K4 antibody [EP551Y]
Description	Rabbit monoclonal [EP551Y] to MAP3K4
Host species	Rabbit
Specificity	This antibody is predicted to detect splice isoform 2 based on sequence analysis.
Tested applications	Suitable for: IHC-P, WB Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human MAP3K4 aa 150-250. Database link: Q9Y6R4
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EP551Y
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab40784 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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Detects a band of approximately 200 kDa (predicted molecular weight: 182 kDa).

Application notes Is unsuitable for IP.

Target

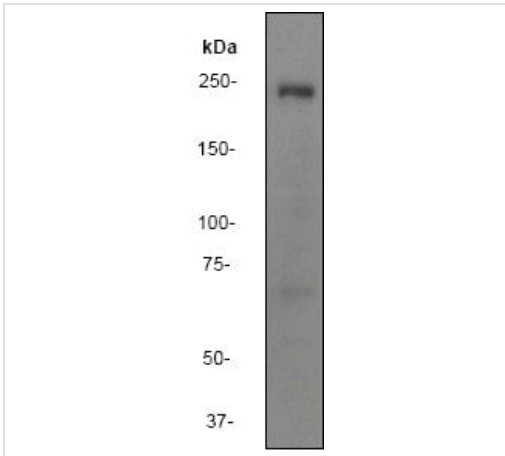
Function Component of a protein kinase signal transduction cascade. Activates the CSBP2, P38 and JNK MAPK pathways, but not the ERK pathway. Specifically phosphorylates and activates MAP2K4 and MAP2K6.

Tissue specificity Expressed at high levels in heart, placenta, skeletal muscle and pancreas, and at lower levels in other tissues.

Sequence similarities Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.
Contains 1 protein kinase domain.

Cellular localization Cytoplasm > perinuclear region. Localized in perinuclear vesicular-like structures, probably Golgi-associated vesicles.

Images

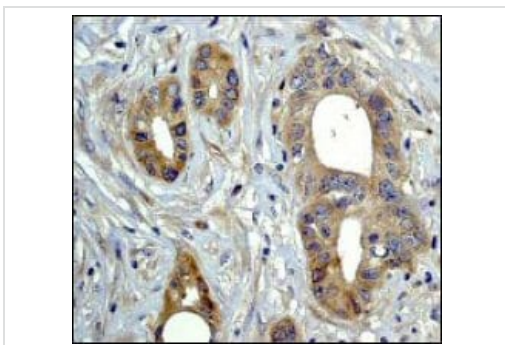


Anti-MAP3K4 antibody [EP551Y] (ab40784) at 1/1000 dilution + 293 cell lysate. at 10 µg

Predicted band size: 182 kDa

Observed band size: 200 kDa

Western blot - Anti-MAP3K4 antibody [EP551Y] (ab40784)







Immunohistochemical analysis of paraffin-embedded human ovary adenocarcinoma using ab40784.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP3K4 antibody [EP551Y] (ab40784)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-MAP3K4 antibody [EP551Y] (ab40784)

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

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