

Anti-MST4 antibody [EPR12766] - BSA and Azide free ab249938

Recombinant RabMAb

5 Images

Overview

Product name	Anti-MST4 antibody [EPR12766] - BSA and Azide free
Description	Rabbit monoclonal [EPR12766] to MST4 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249938 is the carrier-free version of ab177153.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12766
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249938 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

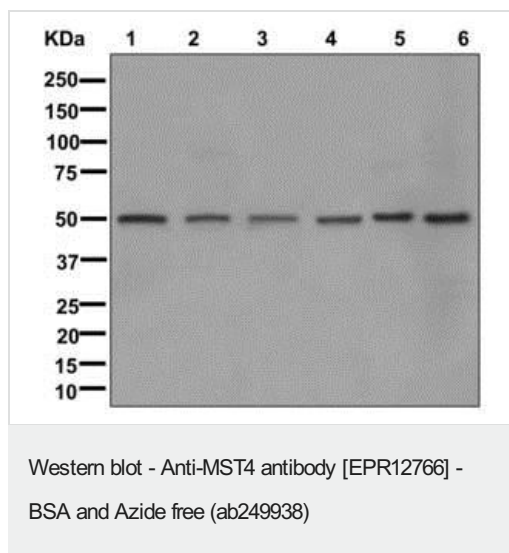
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 52 kDa (predicted molecular weight: 47 kDa).

Application notes Is unsuitable for ICC/IF or IP.

Target

Function	Mediator of cell growth. Modulates apoptosis.
Sequence similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.
Cellular localization	Cytoplasm. Golgi apparatus membrane. Localizes to the Golgi apparatus.

Images



All lanes : Anti-MST4 antibody [EPR12766] ([ab177153](#)) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : Human fetal brain tissue lysate

Lane 5 : PC-12 cell lysate

Lane 6 : NIH/3T3 cell lysate

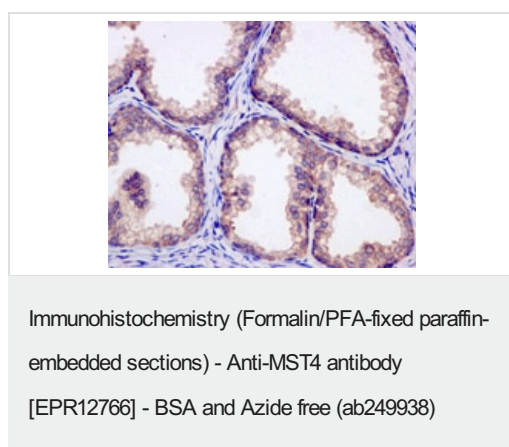
Lysates/proteins at 10 µg per lane.

Secondary

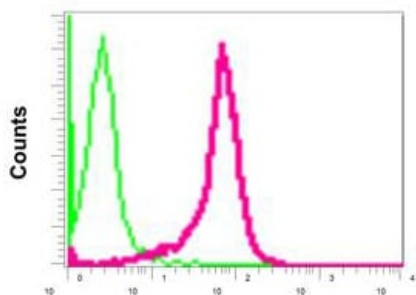
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 47 kDa

This data was developed using [ab177153](#), the same antibody clone in a different buffer formulation.



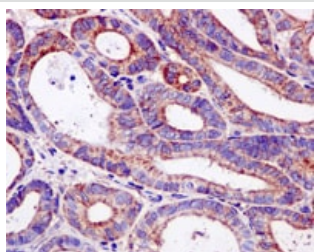
This data was developed using [ab177153](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human prostate tissue labeling MST4 with [ab177153](#) at 1/50 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-MST4 antibody
[EPR12766] - BSA and Azide free (ab249938)

This data was developed using **ab177153**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized Jurkat cells labeling MST4 with **ab177153** at 1/10 dilution (red), or a rabbit IgG (negative) (green).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MST4 antibody
[EPR12766] - BSA and Azide free (ab249938)

This data was developed using **ab177153**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human gastric carcinoma tissue labeling MST4 with **ab177153** at 1/50 dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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