

Product datasheet

Anti-FNTA antibody [EPR4704] ab109738

Recombinant RabMAb

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Overview

Product name	Anti-FNTA antibody [EPR4704]
Description	Rabbit monoclonal [EPR4704] to FNTA
Host species	Rabbit
Tested applications	Suitable for: 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.
Positive control	Jurkat, HeLa, JAR, C6, RAW264.7, PC12, and NIH3T3 cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4704
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab109738 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		1/1000 - 1/10000. Predicted molecular weight: 44 kDa.

Application notes

Is unsuitable for ICC/IF or IP.

Target

Function

Catalyzes the transfer of a farnesyl or geranyl-geranyl moiety from farnesyl or geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of several proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. The alpha subunit is thought to participate in a stable complex with the substrate. The beta subunit binds the peptide substrate. Through RAC1 prenylation and activation may positively regulate neuromuscular junction development downstream of MUSK.

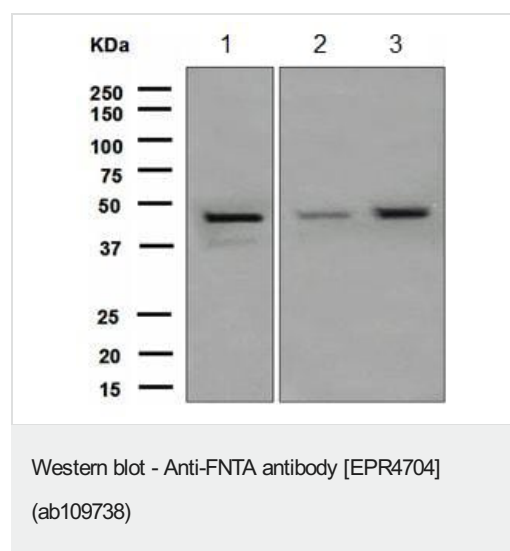
Sequence similarities

Belongs to the protein prenyltransferase subunit alpha family.
Contains 5 PFTA repeats.

Post-translational modifications

Phosphorylated. Phosphorylation is mediated by MUSK upon AGRIN stimulation and results in the activation of FNTA.

Images



All lanes : Anti-FNTA antibody [EPR4704] (ab109738) at 1/1000 dilution

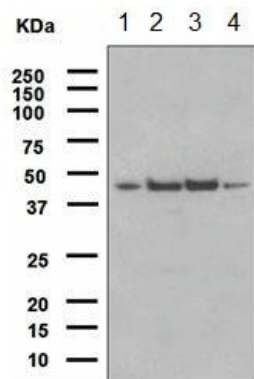
Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : JAR cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 44 kDa



Western blot - Anti-FNTA antibody [EPR4704]
(ab109738)

All lanes : Anti-FNTA antibody [EPR4704] (ab109738) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : RAW264.7 cell lysate

Lane 3 : PC12 cell lysate

Lane 4 : NIH3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 44 kDa

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

Anti-FNTA antibody [EPR4704] (ab109738)

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

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