


Product datasheet

Anti-WAVE 1 antibody [EPR15021] - N-terminal ab185546

Recombinant RabMAb

3 Images

Overview

Product name	Anti-WAVE 1 antibody [EPR15021] - N-terminal
Description	Rabbit monoclonal [EPR15021] to WAVE 1 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	U87-MG, 293T and K562 cell lysate. K562 cells.
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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15021

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab185546 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)		1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 61 kDa).

Target

Function

Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex.

Tissue specificity

Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood.

Sequence similarities

Belongs to the SCAR/WAVE family.
Contains 1 WH2 domain.

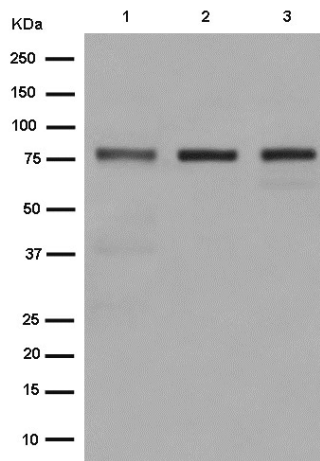
Domain

Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.

Cellular localization

Cytoplasm > cytoskeleton. Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas.

Images



Western blot - Anti-WAVE 1 antibody [EPR15021] - N-terminal (ab185546)

All lanes : Anti-WAVE 1 antibody [EPR15021] - N-terminal (ab185546) at 1/10000 dilution

Lane 1 : U87-MG cell lysate

Lane 2 : K562 cell lysate

Lane 3 : 293T cell lysate

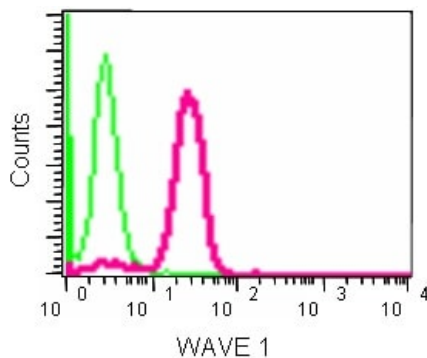
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 61 kDa

Observed band size: 80 kDa



Flow Cytometry (Intracellular) - Anti-WAVE 1 antibody [EPR15021] - N-terminal (ab185546)

Intracellular Flow Cytometry analysis of K562 cells labeling WAVE 1 using ab185546 at a 1/200 dilution (pink). Goat anti rabbit IgG (FITC) used as the secondary at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.

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-WAVE 1 antibody [EPR15021] - N-terminal (ab185546)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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