

Product datasheet

Anti-WAVE 1 (phospho Y125) antibody ab59280

1 Image

Overview

Product name	Anti-WAVE 1 (phospho Y125) antibody
Description	Rabbit polyclonal to WAVE 1 (phospho Y125)
Host species	Rabbit
Specificity	Detects endogenous levels of WAVE1 only when phosphorylated at tyrosine 125.
Tested applications	Suitable for: ELISA, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic phosphopeptide derived from human WAVE1 around the phosphorylation site of tyrosine 125 (E-T-Y ^P -D-V).
Positive control	Human colon carcinoma.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab59280** in the following tested applications.

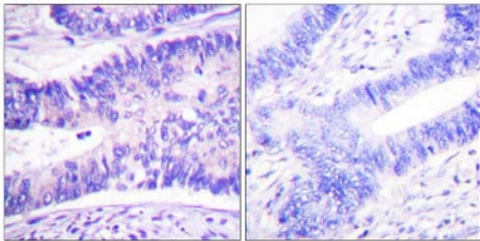
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/5000.
IHC-P		Use at an assay dependent concentration.

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



Ab59280 at 1/50 dilution staining human colon carcinoma without (left) and with (right) immunizing peptide; paraffin embedded.

Immunohistochemistry (Paraffin-embedded sections)
- WAVE 1 (phospho Y125) antibody (ab59280)

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