


Product datasheet

Anti-WAVE 1 antibody ab59281

1 Image

Overview

Product name	Anti-WAVE 1 antibody
Description	Rabbit polyclonal to WAVE 1
Host species	Rabbit
Specificity	ab59281 detects endogenous levels of total WAVE1 protein.
Tested applications	Suitable for: IHC-P, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	A synthesized non phosphopeptide derived from human WAVE1 around the phosphorylation site of tyrosine 125 (ETY ^P DV).
Positive control	Human colon carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
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
Purification notes	Purified from rabbit antiserum by affinity chromatography using epitope specific immunogen.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab59281** in the following tested applications.

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

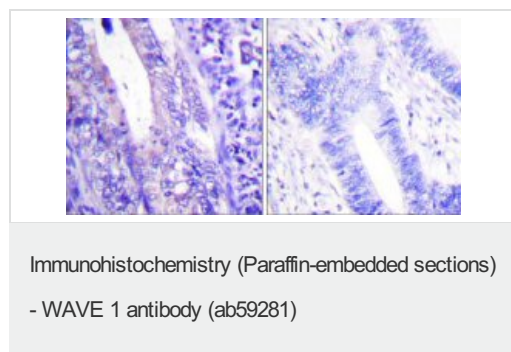
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Application	Abreviews	Notes
ELISA		1/40000.

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



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using ab59281 at a dilution of 1/50. Left hand image - without immunizing peptide; right hand image - with immunizing peptide.

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