

## **WAVE 1 Rabbit mAb**

**Catalog # AP76256** 

# **Specification**

#### WAVE 1 Rabbit mAb - Product Information

Application Primary Accession Reactivity Host Clonality WB
O92558
Human, Mouse, Rat
Rabbit
Monoclonal Antibody
61652

### WAVE 1 Rabbit mAb - Additional Information

**Gene ID 8936** 

Calculated MW

Other Names WASF1

**Dilution** 

WB~~1/500-1/1000

## **Format**

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

#### Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

### **WAVE 1 Rabbit mAb - Protein Information**

Name WASF1 (HGNC:12732)

Synonyms KIAA0269, SCAR1, WAVE1

#### **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 (PubMed:<a href="http://www.uniprot.org/citations/29961568" target="\_blank">29961568</a>). The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity). As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity). Also involved in the regulation of mitochondrial dynamics (PubMed:<a href="http://www.uniprot.org/citations/29961568" target="blank">29961568" target="blank">29961568</a>).

# **Cellular Location**

Cytoplasm, cytoskeleton. Synapse {ECO:0000250|UniProtKB:Q5BJU7} Cell junction, focal adhesion. Note=Dot- like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-







ruffling areas (PubMed:9889097). Partial translocation to focal adhesion sites might be mediated by interaction with SORBS2 (PubMed:18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMEM108 (By similarity). {ECO:0000250|UniProtKB:Q8R5H6, ECO:0000269|PubMed:18559503, ECO:0000269|PubMed:9889097}

### **Tissue Location**

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

## **WAVE 1 Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# WAVE 1 Rabbit mAb - Images

