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# WAVE 1 Rabbit mAb
**Catalog # AP76256**

## Specification

### WAVE 1 Rabbit mAb - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | Q92558 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Monoclonal Antibody** |
| Calculated MW | **61652** |

### WAVE 1 Rabbit mAb - Additional Information

**Gene ID** 8936

**Other Names**
WASF1

**Dilution**
WB~~1/500-1/1000

**Format**
Liquid

### 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</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
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## WAVE 1 Rabbit mAb - Images