

WAVE1 (phospho Tyr125) Polyclonal Antibody Catalog # AP67612

Specification

WAVE1 (phospho Tyr125) Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q92558
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

WAVE1 (phospho Tyr125) Polyclonal Antibody - Additional Information

Gene ID 8936

Other Names

WASF1; KIAA0269; SCAR1; WAVE1;
Wiskott-Aldrich syndrome protein family
member 1; WASP family protein member 1;
Protein WAVE-1; Verprolin homology
domain-containing protein 1

Dilution

WB~~Western Blot: 1/500 - 1/2000.
Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000.
ELISA: 1/5000. Not yet tested in other
applications.

Format

Liquid in PBS containing 50% glycerol, 0.5%
BSA and 0.02% sodium azide.

Storage Conditions

-20°C

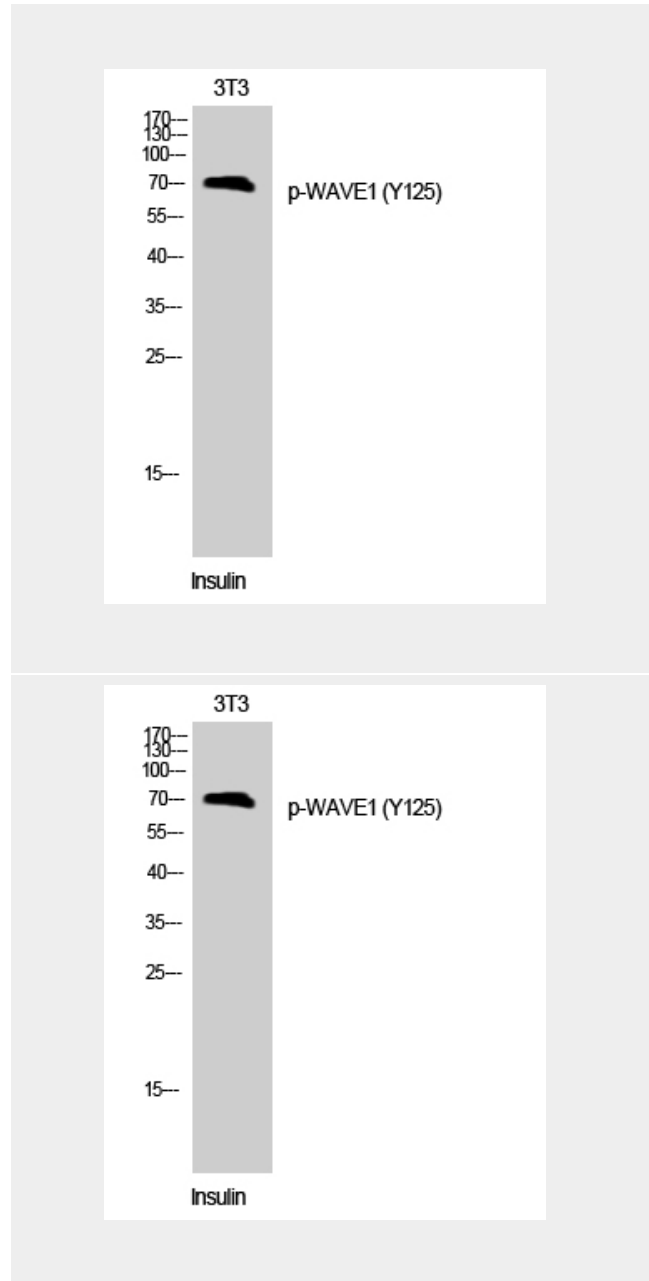
WAVE1 (phospho Tyr125) Polyclonal Antibody - Protein Information

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



WAVE1 (phospho Tyr125) Polyclonal Antibody - Background

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

actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation (PubMed:29961568). 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:29961568).

Cellular Location

Cytoplasm, cytoskeleton. Cell junction, 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

regulates lamellipodia formation. 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).

WAVE1 (phospho Tyr125) Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)