

## Anti-WAVE 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

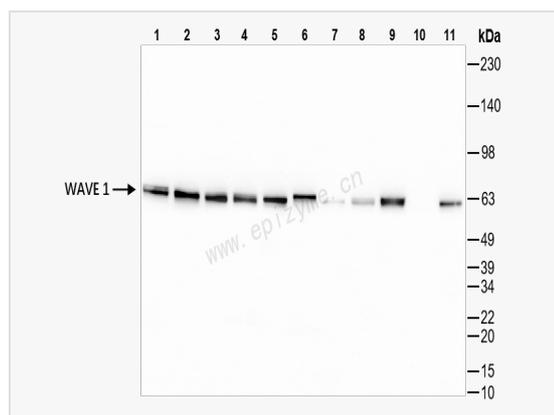
Catalog # R011422

### Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	92M29L22
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human WAVE 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-WAVE 1 Rabbit mAb [92M29L22] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Protein WAVE-1; Protein WAVE1; SCAR1; Similar to a plant extensin like protein; Verprolin homology domain containing protein 1; Verprolin homology domain-containing protein 1; WAS protein family, member 1; Wasf1; WASF1_HUMAN; WASL; WASP family 1; WASP family protein member 1; WAVE; WAVE1; Wiskott Aldrich syndrome protein family member 1; Wiskott-Aldrich syndrome protein family member 1.
Calculated MW	Calculated MW: 62 kDa; Observed MW: 62 kDa
Uniprot ID	Q92558
Gene ID	8936
Background	The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm Cytoskeleton Synapse Cell junction Focal adhesion 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).



Western Blot - Anti-WAVE 1 Rabbit mAb [92M29L22]

All lanes: R011422 at 1:3,000 dilution

Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates

Lane 2: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates

Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 4: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 6: Mouse brain whole tissue lysates

Lane 7: Mouse spleen whole tissue lysates

Lane 8: Mouse embryo whole tissue lysates

Lane 9: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 10: Rat spleen whole tissue lysates

Lane 11: Rat lymphoid whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at

1:5,000 dilution

Predicted band size: 62 kDa

Observed band size: 62 kDa

Developed using the ECL technique (Cat. No. SQ201).