

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human/mouse WASF3/WAVE3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human WASF3/WAVE3 Met1-Lys180 Accession # Q9UPY6
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

WASF3/WAVE3 (Wiscott-Aldrich syndrome protein family Verprolin-homologous protein 3) is a 70 kDa member of the SCAR/WAVE family of proteins. It is expressed in select diverse cell types such as neurons, platelets, and breast epithelium. Upon activation, WASF3/WAVE3 is phosphorylated on Tyr151/248/337/486 and, in complex with HSPC300, initiates actin polymerization. WASF3/WAVE3 also regulates MMP expression. Human WASF3/WAVE3 is 502 amino acids (aa) in length. It contains one coiled-coil region (aa 57-93), three sequential poly-Pro regions (aa 304-410) and one VPH domain (aa 440-457) that binds to actin and Arp2/3. There is one isoform that shows a 36 aa substitution for aa 181-239. Over aa 1-180, human WASF3 shares 98% aa identity with mouse WASF3.

PRODUCT SPECIFIC NOTICES

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