

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse WASF1/WAVE1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human WASF1/WAVE1 Met1-Tyr250 Accession # Q92558
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

WASF1/WAVE1 (Wiscott-Aldrich syndrome protein family Verprolin-homologous protein 1) is an 80-85 kDa member of the SCAR/WAVE family of proteins. It is expressed in diverse cell types such as neurons, fibroblasts, macrophages, platelets, oligodendroglia and breast epithelium. WASF1/WAVE1 is normally inactive, being phosphorylated at Ser310 and complexed with HSPC300, PIR121 and Nap125. Upon activation, it is dephosphorylated and decoupled, heterodimerizes with WASP, and initiates actin polymerization. Human WASF1/WAVE1 is 559 amino acids (aa) in length. It contains five sequential poly-Pro regions (aa 278-435) and one VPH domain (aa 497-514) that binds to actin and Arp2/3. There is one isoform that shows a 23 aa N-terminal extension. In mouse, a 60 kDa proteolytic cleavage form is reported. Over aa 1-250, human WASF1/WAVE1 shares 99% aa identity with mouse WASF1/WAVE1.

PRODUCT SPECIFIC NOTICES

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