

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | Detects endogenous human/mouse WASF3/WAVE3 in Western blots.                                                                                                                                                                                                                |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human WASF3/WAVE3<br>Met1-Lys180<br>Accession # Q9UPY6                                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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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