

## DESCRIPTION

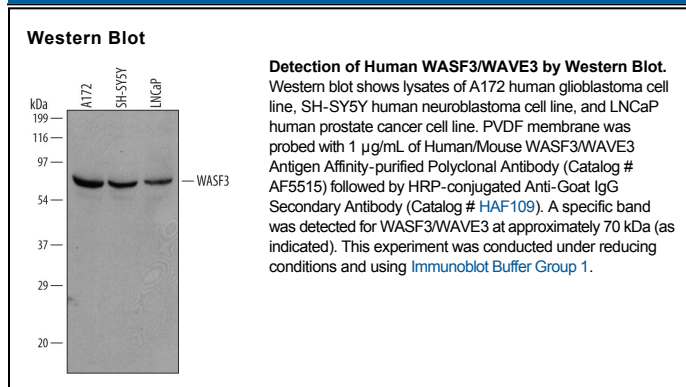
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects endogenous human/mouse WASF3/WAVE3 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human WASF3/WAVE3 Met1-Lys180 Accession # Q9UPY6
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.