



## WAVE1 (phospho-Tyr125) Polyclonal Antibody

E20-60680

**Catalog Number:**E20-60680

**Applications:**WB,IHC-p,IF,ELISA

**Reactivity:**Human,Mouse,Rat

**Gene Name:**WASF1

**Protein Name:**Wiskott-Aldrich syndrome protein family member 1

**Human Gene Id:**8936

**Human Swiss Prot No:**Q92558

**Mouse Gene Id:**83767

**Mouse Swiss Prot No:**Q8R5H6

**Rat Gene Id:**294568

**Rat Swiss Prot No:**Q5BJU7

**Immunogen:**The antiserum was produced against synthesized peptide derived from human WAVE1 around the phosphorylation site of Tyr125. AA range:91-140

**Specificity:**Phospho-WAVE1 (Y125) Polyclonal Antibody detects endogenous levels of WAVE1 protein only when phosphorylated at Y125.

**Formulation:**Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Source:**Rabbit

**Dilution:**Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000- 1/10000. Not yet tested in other applications.

**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration:**1 mg/ml

**Storage Stability:**-20°C/1 year

**Other Names:**WASF1; KIAA0269; SCAR1; WAVE1; Wiskott-Aldrich syndrome protein family member 1; WASP family protein member 1; Protein WAVE-1; Verprolin homology domain-containing protein 1

**Molecular Weight (Da):**61652

**For Research Use Only**

**Observed Band (KD):**70

**Background:**WAS protein family member 1(WASF1) Homo sapiens 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.

**Function:**domain: Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.

**Subcellular Location:**mitochondrial outer membrane,cytoskeleton,focal adhesion,actin cytoskeleton, lamellipodium, SCAR complex,synapse.

**Expression:**Bone marrow,Testis.

