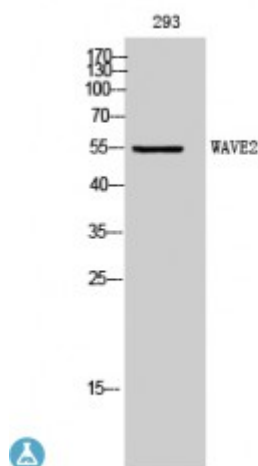


Anti-WAVE2 antibody



Description

WAVE2 is a protein encoded by the WASF2 gene which is approximately 54,2 kDa. WAVE2 is localised to the cytoplasm and is involved in regulation of actin dynamics for phagocytic cup formation, innate immune system, signalling by Rho GTPases and RET signalling. It is a downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton and is expressed in all tissues. Mutations in the WASF2 gene may result in Wiskott-Aldrich syndrome and depression. STJ96263 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of WAVE2 protein.

Model	STJ96263
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human WAVE2
Immunogen Region	110-190 aa, Internal
Gene ID	10163
Gene Symbol	WASF2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	WAVE2 Polyclonal Antibody detects endogenous levels of WAVE2 protein.
Tissue Specificity	Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Wiskott-Aldrich syndrome protein family member 2 WASP family protein member 2 Protein WAVE-2 Verprolin homology domain-containing protein 2
Molecular Weight	55 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12733OMIM:605875
Alternative Names	Wiskott-Aldrich syndrome protein family member 2 WASP family protein member 2 Protein WAVE-2 Verprolin homology domain-containing protein 2
Function	Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex.
Sequence and Domain Family	Binds and activates the Arp2/3 complex via the C-terminal domain. Interacts with actin via the WH2 domain.
Cellular Localization	Cytoplasm, cytoskeleton Cell projection, lamellipodium. At the interface between the lamellipodial actin meshwork and the membrane.