



WAVE1 (phospho Tyr125) rabbit pAb

Cat No.:ES7911

For research use only

Overview

Product Name	WAVE1 (phospho Tyr125) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Wiskott-Aldrich syndrome protein family member 1
Gene Name	WASF1
Cellular localization	Cytoplasm, cytoskeleton . Cell junction, synapse . Cell junction, focal adhesion . Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas (PubMed:9889097). Partial translocation to focal adhesion sites might be mediated b
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	8936
Human Swiss-Prot Number	Q92558



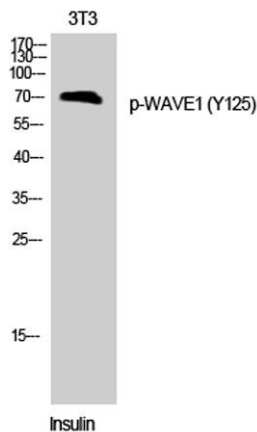


Alternative Names

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

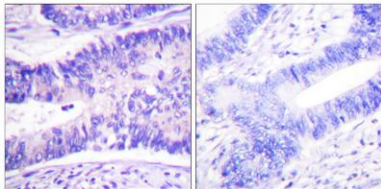
Background

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. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],



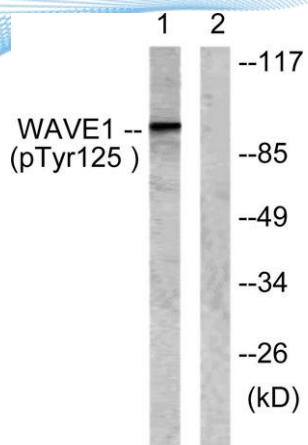
Western Blot analysis of 3T3 cells using Phospho-WAVE1 (Y125) Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using WAVE1 (Phospho-Tyr125) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from NIH/3T3 cells treated with Insulin 0.01U/ml 15', using WAVE1 (Phospho-Tyr125) Antibody. The lane on the right is blocked with the phospho peptide.



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