



WAVE2 Polyclonal Antibody

Catalog No	BYab-03215
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	WASF2
Protein Name	Wiskott-Aldrich syndrome protein family member 2
Immunogen	The antiserum was produced against synthesized peptide derived from human WASF2. AA range:141-190
Specificity	WAVE2 Polyclonal Antibody detects endogenous levels of WAVE2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WASF2; WAVE2; Wiskott-Aldrich syndrome protein family member 2; WASP family protein member 2; Protein WAVE-2; Verprolin homology domain-containing protein 2
Observed Band	55kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Basolateral cell membrane . At the interface between the lamellipodial actin meshwork and the membrane. .
Tissue Specificity	Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.
Function	domain: Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.,function: Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton.,similarity: Belongs to the SCAR/WAVE family.,similarity: Contains 1 WH2 domain.,subcellular location: At the interface between the lamellipodial actin meshwork and the membrane.,subunit: Binds actin and the Arp2/3 complex. Interacts with BAIAP2. Component of the WAVE2

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complex composed of ABI1, CYFIP1/SRA1, NCKAP1/NAP1 and WASF2/WAVE2. Directly interacts with C3orf10/HSPC300.,tissue specificity:Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.,

Background

This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to transduce signals that involve changes in cell shape, motility or function. The published map location (PMID:10381382) has been changed based on recent genomic sequence comparisons, which indicate that the expressed gene is located on chromosome 1, and a pseudogene may be located on chromosome X. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011],

matters needing attention

Avoid repeated freezing and thawing!

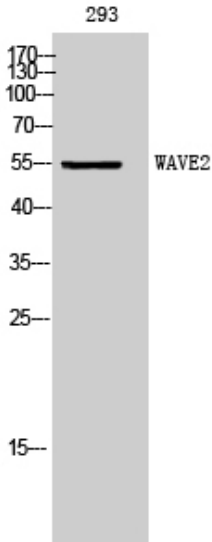
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

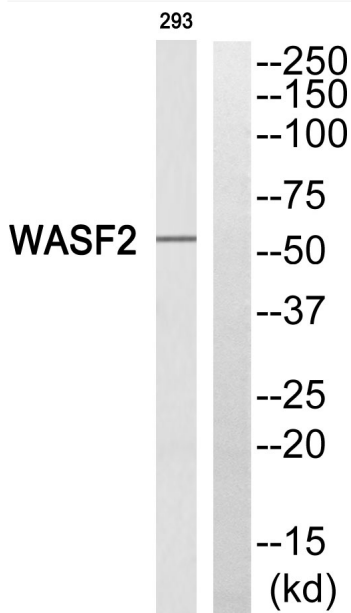
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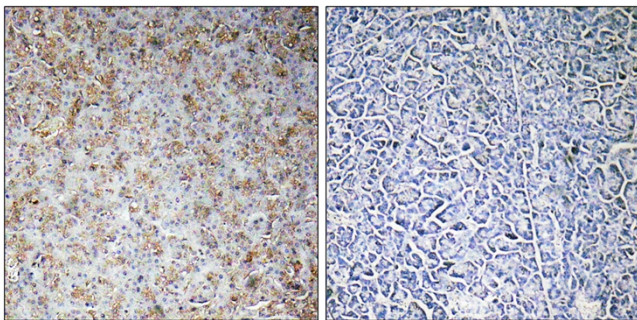
Products Images



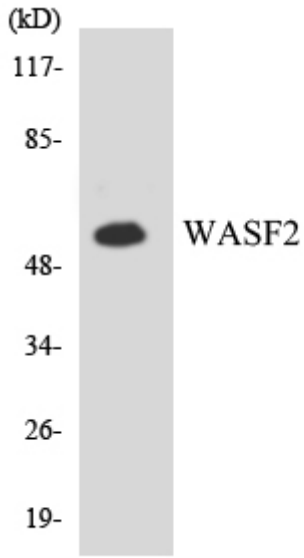
Western Blot analysis of 293 cells using WAVE2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of WASF2 Antibody. The lane on the right is blocked with the WASF2 peptide.



Immunohistochemistry analysis of paraffin-embedded human pancreas, using WASF2 Antibody. The lane on the right is blocked with the WASF2 peptide.



Western blot analysis of the lysates from K562 cells using WASF2 antibody.