

## WAVE2 Polyclonal Antibody

Catalog No :	YT4898
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	WAVE2
Fields :	>>Adherens junction;>>Fc gamma R-mediated phagocytosis;>>Regulation of actin cytoskeleton;>>Bacterial invasion of epithelial cells;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Yersinia infection;>>Choline metabolism in cancer
Gene Name :	WASF2
Protein Name :	Wiskott-Aldrich syndrome protein family member 2
Human Gene Id :	10163
Human Swiss Prot	Q9Y6W5
Mouse Gene Id :	242687
Mouse Swiss Prot	Q8BH43
NO : 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
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000 IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.



Best loois for immunolog	gy Research
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	55kD
Cell Pathway :	Adherens_Junction;Fc gamma R-mediated phagocytosis;Regulates Actin and Cytoskeleton;
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 tranduce 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],
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 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.,
Subcellular Location :	Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Basolateral cell membrane . At the interface between the lamellipodial actin meshwork and the membrane
Expression :	Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.
Tag :	orthogonal
Sort :	498
No4 :	1



Host :

Rabbit

## **Modifications :**

138::

100-

55---40---35--- 293

WAVE2

Unmodified

## **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.



Immunohistochemistryt 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.