

WAVE2 Polyclonal Antibody

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| 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 No : | Q9Y6W5 |
| Mouse Gene Id : | 242687 |
| Mouse Swiss Prot No : | Q8BH43 |
| 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. |

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;

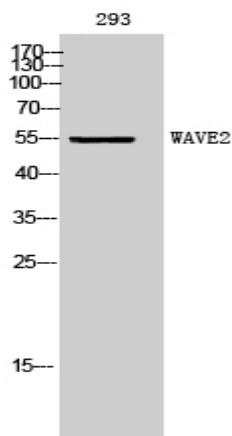
Background : This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to 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],

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.,

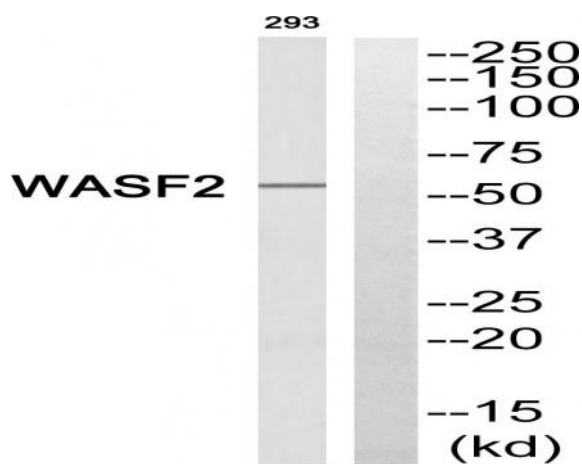
Subcellular Location : Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Basolateral cell membrane . At the interface between the lamellipodial actin meshwork and the membrane. .

Expression : Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.

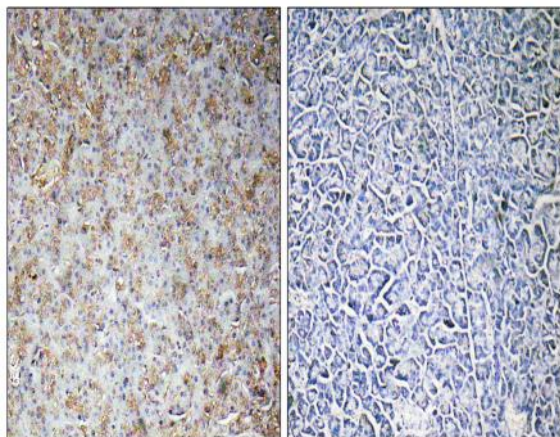
Products Images



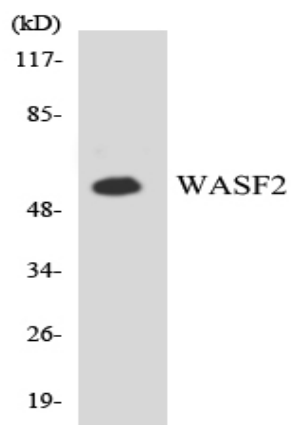
Western Blot analysis of 293 cells using WAVE2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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.