



Rabbit Anti-WASF2 antibody

SL6243R

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| Product Name: | WASF2 |
| Chinese Name: | WASF2抗体 |
| Alias: | Protein WAVE-2; SCAR 2; SCAR; SCAR2; Verprolin homology domain-containing protein 2; WASF2; WASF2_HUMAN; WASP family protein member 2; WASP-family protein member 2; WAVE 2; WAVE2; Wiskott-Aldrich syndrome protein family member 2; Wiskott-Aldrich syndrome protein family verprolin-homologous protein; DICTYOSTELIUM; WASF2_HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Cow,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 54 kDa |
| Cellular localization: | cytoplasmicThe cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human WASF2:131-230/498 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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.

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.

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 BRK1.

Subcellular Location:

Cytoplasm, cytoskeleton (By similarity). Cell projection, lamellipodium (By similarity). Note=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.

Similarity:

Belongs to the SCAR/WAVE family.
Contains 1 WH2 domain.

SWISS:

Q9Y6W5

Gene ID:

10163

Database links:

[Entrez Gene: 10163](#)Human

[Entrez Gene: 242687](#)Mouse

[Entrez Gene: 313024](#)Rat

[Omim: 605875](#)Human

[SwissProt: Q9Y6W5](#)Human

[SwissProt: Q8BH43](#)Mouse

[Unigene: 469244](#)Human

[Unigene: 590909](#)Human

[Unigene: 23566](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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