SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-WASF2 antibody

Catalog Number: SL6243R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	WASF2
Immunogen:	KLH conjugated synthetic peptide derived from human WASF2: 131-230/498
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Cow, Sheep)
Predicted MW.:	54 kDa
Subcellular Location:	cytoplasmic The cell membrane
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. **Function:** Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin

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	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. **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

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