



# WAVE2 Monoclonal Antibody

|                           |  |
|---------------------------|--|
| <b>Catalog No</b>         | BYmab-03215  |
| <b>Isotype</b>            | IgG  |
| <b>Reactivity</b>         | Human;Mouse;Rat  |
| <b>Applications</b>       | WB   |
| <b>Gene Name</b>          | WASF2  |
| <b>Protein Name</b>       | Wiskott-Aldrich syndrome protein family member 2   |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human WASF2. AA range:141-190  |
| <b>Specificity</b>        | WAVE2 Monoclonal Antibody detects endogenous levels of WAVE2 protein.  |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source</b>             | Monoclonal, Mouse,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000  |
| <b>Concentration</b>      | 1 mg/ml  |
| <b>Purity</b>             | ≥90%   |
| <b>Storage Stability</b>  | -20°C/1 year   |
| <b>Synonyms</b>           | WASF2; WAVE2; Wiskott-Aldrich syndrome protein family member 2; WASP family protein member 2; Protein WAVE-2; Verprolin homology domain-containing protein 2   |
| <b>Observed Band</b>      | 55kD   |
| <b>Cell Pathway</b>       | Cytoplasm, cytoskeleton . Cell projection, lamellipodium . Basolateral cell membrane . At the interface between the lamellipodial actin meshwork and the membrane. .   |
| <b>Tissue Specificity</b> | Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.   |
| <b>Function</b>           | 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],

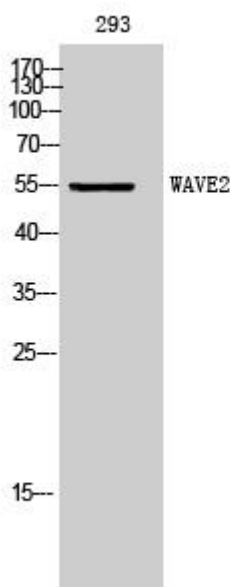
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

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

## Products Images



Western Blot analysis of various cells using WAVE2 Monoclonal Antibody

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