

WASF2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant WASF2.

Catalog # AT4526a

Specification

WASF2 Antibody (monoclonal) (M02) - Product Information

| | |
|-------------------|---------------------------|
| Application | WB, E |
| Primary Accession | O9Y6W5 |
| Other Accession | NM_006990 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG2b Kappa |
| Calculated MW | 54284 |

WASF2 Antibody (monoclonal) (M02) - Additional Information

Gene ID 10163

Other Names

Wiskott-Aldrich syndrome protein family member 2, WASP family protein member 2, Protein WAVE-2, Verprolin homology domain-containing protein 2, WASF2, WAVE2

Target/Specificity

WASF2 (NP_008921, 73 a.a. ~ 172 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

WASF2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

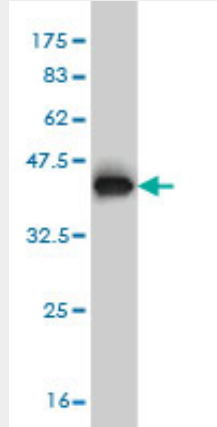
WASF2 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

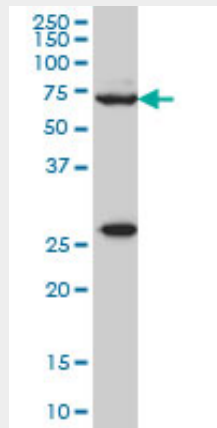
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

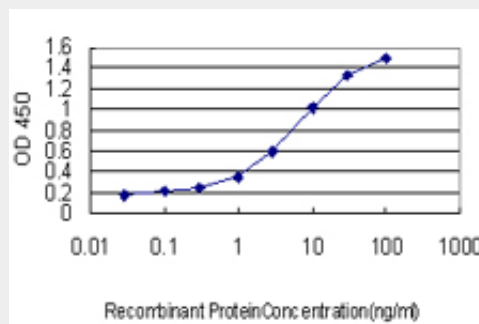
WASF2 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



WASF2 monoclonal antibody (M02), clone 8E7 Western Blot analysis of WASF2 expression in HeLa ((Cat # AT4526a)



Detection limit for recombinant GST tagged WASF2 is approximately 0.1ng/ml as a capture antibody.

WASF2 Antibody (monoclonal) (M02) - 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.

WASF2 Antibody (monoclonal) (M02) - References

Directional control of WAVE2 membrane targeting by EB1 and phosphatidylinositol 3,4,5-triphosphate. Takahashi K, et al. *Cell Signal*, 2010 Mar. PMID 19925864. Activation of the WAVE complex by coincident signals controls actin assembly. Lebensohn AM, et al. *Mol Cell*, 2009 Nov 13. PMID 19917258. Metastatic potential of lung squamous cell carcinoma associated with HSPC300 through its interaction with WAVE2. Cai X, et al. *Lung Cancer*, 2009 Sep. PMID 19576655. BetaPIX and GIT1 regulate HGF-induced lamellipodia formation and WAVE2 transport. Morimura S, et al. *Biochem Biophys Res Commun*, 2009 May 8. PMID 19303398. Membrane transport of WAVE2 and lamellipodia formation require Pak1 that mediates phosphorylation and recruitment of stathmin/Op18 to Pak1-WAVE2-kinesin complex. Takahashi K, et al. *Cell Signal*, 2009 May. PMID 19162178.