

Product Name: KD-Validated WASP Family Member 2 Mouse Monoclonal Antibody
Catalog #: KVAb01914

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:4,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 54.3kDa

Antigen Information

Gene Name	WASF2
Alternative Names	WASF2; WASP Family Member 2; WAVE2; SCAR2; Wiskott-Aldrich Syndrome Protein Family Member 2; Verprolin Homology Domain-Containing Protein 2; WASP Family Protein Member 2; WAS Protein Family Member 2; Actin-Binding Protein WASF2; Protein WAVE-2; Putative Wiskott-Aldrich Syndrome Protein Family Member 4; Suppressor Of Cyclic-AMP Receptor (WASP-Family); WASP Family Verprolin-Homologous Protein 2; WAS Protein Family, Member 2; WASP Family Protein Member 4; DJ393P12.2; WASF4; IMD2
Gene ID	10163.0
SwissProt ID	Q9Y6W5
Immunogen	Recombinant protein of human WASF2

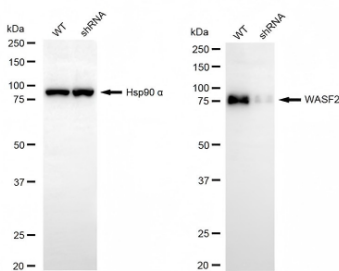
Background

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]

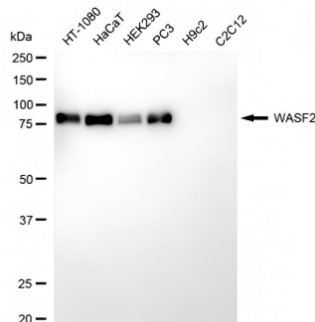
Research Area

Cancer, Signal Transduction

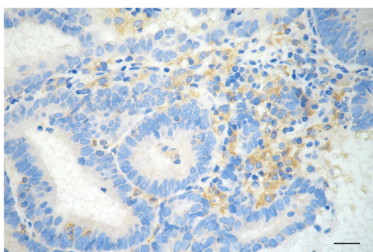
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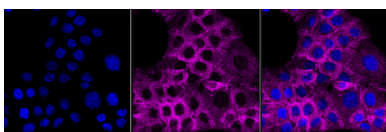
Western blotting analysis using WASF2 antibody (KVA01914). WASF2 expression in wild-type (WT) and WASF2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with WASF2 antibody (KVA01914, 1:4,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using WASF2 antibody (KVA01914). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with WASF2 antibody (KVA01914, 1:4,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human endometrial carcinoma using WASF2 antibody (KVA01914, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HACAT cells with WASF2 antibody (KVA01914, 1:1,000). Nuclei were stained blue with DAPI; WASF2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.

