WASF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WASF1, Polyclonal Antibody
Full Product Name	WASF1 Polyclonal Conjugated Antibody
Product Gene Name	anti-WASF1 antibody
Product Synonym Names	WASF1 Conjugated Antibody; WASF1; SCAR1; WAVE; WAVE1; WAS protein family member 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	61,652 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (110421022..110501207, complement). Location: 6q21
OMIM	605035
3D Structure	ModBase 3D Structure for Q92558
Immunogen	A synthetic synthetic peptide of human WASF1 (NP_001020107.1).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-WASF1 antibody	Most Applications
Application Notes for anti-WASF1 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-WASF1 antibody	The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of anti-WASF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for WASF1 purchase	MBS9440249 is an antibody targeting WASF1. Also known as WASF1 Polyclonal Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WASF1. It may not necessarily be applicable to this product.

NCBI GI #	68161504
NCBI GeneID	8936
NCBI Accession #	NP_001020107.1
UniProt Primary Accession #	Q92558
UniProt Secondary Accession #	Q5SZK7; E1P5F2
UniProt Related Accession #	Q5SZK3; Q5SZK4; Q5SZK5; Q92558
GenBank Nucleotide #	NM_001024936.1
NCBI Official Full Name	wiskott-Aldrich syndrome protein family member 1
NCBI Official Synonym Full Names	WAS protein family, member 1
NCBI Official Symbol	WASF1
NCBI Official Synonym Symbols	WAVE; SCAR1; WAVE1; FLJ31482; KIAA0269
UniProt Protein Name	Wiskott-Aldrich syndrome protein family member 1
UniProt Synonym Protein Names	Protein WAVE-1; Verprolin homology domain-containing protein 1
Protein Family	Wiskott-Aldrich syndrome protein family
UniProt Gene Name	WASF1
UniProt Synonym Gene Names	KIAA0269; SCAR1; WAVE1; WASP family protein member 1
UniProt Entry Name	WASF1_HUMAN
NCBI Protein Information	wiskott-Aldrich syndrome protein family member 1; protein WAVE-1; OTTHUMP00000016990; OTTHUMP00000016992; WASP family protein member 1; homology of dictyostelium scar 1; verprolin homology domain-containing protein 1
UniProt Comments for WASF1	WAVE1: 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. Belongs to the SCAR/WAVE family. Protein type: Cytoskeletal; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 6q21 Cellular Component: cytoskeleton; synapse; cell junction; actin cytoskeleton Molecular Function: protein binding; Rac GTPase binding; protein complex binding; actin binding Biological Process: actin filament polymerization; Rac protein signal transduction; protein complex assembly; cell motility
Research Articles on WASF1	**1.** WAVE1 might be involved in the migration and invasion of K562 cells through regulation of the expression level of MMP-2.

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