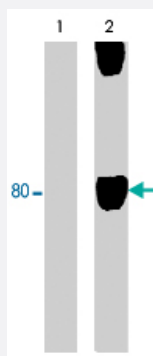


WASF1 (phospho Y125) polyclonal antibody

Catalog # PAB7913

Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of human SYF cSrc-transformed cells untreated (lane 1) or treated (lane 2) with pervanadate (1 mM; 30 min). The blots were probed with WASF1 (phospho Y125) polyclonal antibody (Cat # PAB7913).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of WASF1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y125 of human WASF1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This sequence has high homology with similar regions in rat and mouse WAVE1, and has less than 50% homology to similar regions in the conserved site in WAVE2 (Tyr-124) and WAVE3 (Tyr-125).
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot of human SYF cSrc-transformed cells untreated (lane 1) or treated (lane 2) with pervanadate (1 mM; 30 min). The blots were probed with WASF1 (phospho Y125) polyclonal antibody (Cat # PAB7913).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — WASF1

Entrez GeneID[8936](#)**Gene Name**

WASF1

Gene Alias

FLJ31482, KIAA0269, SCAR1, WAVE, WAVE1

Gene Description

WAS protein family, member 1

Omim ID[605035](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

OTTHUMP00000016990|Wiskott-Aldrich syndrome protein family member 1|homology of dictyostelium scar 1|verprolin homology domain-containing protein 1

Publication Reference

- [Src-dependent phosphorylation of Scar1 promotes its association with the Arp2/3 complex.](#)

Ardern H, Sandilands E, Machesky LM, Timpson P, Frame MC, Brunton VG.

Cell Motility and the Cytoskeleton 2006 Jan; 63(1):6.

- [Abelson-interactor-1 promotes WAVE2 membrane translocation and Abelson-mediated tyrosine phosphorylation required for WAVE2 activation.](#)

Leng Y, Zhang J, Badour K, Arpaia E, Freeman S, Cheung P, Siu M, Siminovitch K.

PNAS 2005 Jan; 102(4):1098.

- [Identification of two human WAVE/SCAR homologues as general actin regulatory molecules which associate with the Arp2/3 complex.](#)

Suetsugu S, Miki H, Takenawa T.

Biochemical and Biophysical Research Communications 1999 Jun; 260(1):296.

Pathway

- [Adherens junction](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Regulation of actin cytoskeleton](#)