SSH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SSH1, Polyclonal Antibody
Full Product Name	SSH1 Antibody, Biotin conjugated
Product Gene Name	anti-SSH1 antibody
Product Synonym Names	Protein phosphatase Slingshot homolog 1; SSH-like protein 1; SSH-1L; hSSH-1L; SSH1; KIAA1298; SSH1L
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SSH1 (MBS7110359) Biotin Conjugated Antibody: SSH1 (MBS7110362)
Molecular Weight	78,978 Da
OMIM	AB072355 mRNA
3D Structure	ModBase 3D Structure for Q8WYL5
Immunogen	Recombinant Human Protein phosphatase Slingshot homolog 1 protein (928-1049AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-SSH1 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SSH1 antibody	ELISA (EIA)
Related Product Information for anti-SSH1 antibody	Protein phosphatase which regulates actin filament dynamics. Dephosphorylates and activates the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Inhibitory phosphorylation of cofilin is mediated by LIMK1, which may also be dephosphorylated and inactivated by this protein.
Other Notes	Small volumes of anti-SSH1 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 SSH1 purchase	MBS7110362 is an antibody targeting SSH1. Also known as SSH1 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSH1. It may not necessarily be applicable to this product.

NCBI GI #	239047441
NCBI GeneID	54434
NCBI Accession #	NP_001154802.1
UniProt Primary Accession #	Q8WYL5
UniProt Secondary Accession #	Q6P6C0; Q8N9A7; Q8WYL3; Q8WYL4; Q9P2P8
UniProt Related Accession #	Q8WYL5
GenBank Nucleotide #	NM_001161330.1
NCBI Official Full Name	protein phosphatase Slingshot homolog 1 isoform 2
NCBI Official Synonym Full Names	slingshot protein phosphatase 1
NCBI Official Symbol	SSH1
NCBI Official Synonym Symbols	SSH1L
UniProt Protein Name	Protein phosphatase Slingshot homolog 1
UniProt Synonym Protein Names	SSH-like protein 1; SSH-1L; hSSH-1L
Protein Family	Protein phosphatase Slingshot
UniProt Gene Name	SSH1
UniProt Synonym Gene Names	KIAA1298; SSH1L; SSH-1L; hSSH-1L
NCBI Protein Information	protein phosphatase Slingshot homolog 1
NCBI Summary for SSH1	The protein encoded by this gene belongs to the slingshot homolog (SSH) family of phosphatases, which regulate actin filament dynamics. The SSH proteins dephosphorylate and activate the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly. Cofilin is inactivated by kinases such as LIM domain kinase-1 (LIMK1), which may also be dephosphorylated and inactivated by SSH proteins. The SSH family thus appears to play a role in actin dynamics by reactivating cofilin proteins. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]
Research Articles on SSH1	**1.** SSH1 binds to gelsolin via actin filaments in the cytosolic fraction. Gelsolin promoted solubilization of actin filaments and SSH1 in cell-free assays and in cultured cells.
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