STMN1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	STMN1, Polyclonal Antibody
Full Product Name	Phospho-STMN1-S16 Rabbit pAb
Product Gene Name	anti-STMN1 antibody
Product Synonym Names	Lag; SMN; OP18; PP17; PP19; PR22; LAP18; C1orf215
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	15kDa
OMIM	151442
3D Structure	ModBase 3D Structure for P16949
Immunogen	A synthetic phosphorylated peptide around S16 of human STMN1 (NP_001138926.1).
Cellular Localization	Cytoplasm, Cytoskeleton, Microtubule
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-STMN1 antibody	Western Blot (WB)
Application Notes for anti-STMN1 antibody	WB: 1:500-1:2000
Related Product Information for anti-STMN1 antibody	Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear.
Other Notes	Small volumes of anti-STMN1 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 STMN1 purchase	MBS8550612 is an antibody targeting STMN1. Also known as Phospho-STMN1-S16 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STMN1. It may not necessarily be applicable to this product.

NCBI GI #	224451142
NCBI GeneID	3925
NCBI Accession #	NP_001138926.1

UniProt Primary Accession #	P16949
UniProt Related Accession #	P16949
GenBank Nucleotide #	NP_001138926.1
NCBI Official Full Name	stathmin isoform b
NCBI Official Synonym Full Names	stathmin 1
NCBI Official Symbol	STMN1
NCBI Official Synonym Symbols	Lag; SMN; OP18; PP17; PP19; PR22; LAP18; C1orf215
UniProt Protein Name	Stathmin
UniProt Synonym Protein Names	Leukemia-associated phosphoprotein p18; Metablastin; Oncoprotein 18; Op18; Phosphoprotein p19; pp19; Prosolin; Protein Pr22; pp17
Protein Family	Stathmin
UniProt Gene Name	STMN1
UniProt Synonym Gene Names	C1orf215; LAP18; OP18; Op18; pp19
UniProt Entry Name	STMN1_HUMAN
NCBI Protein Information	stathmin
NCBI Summary for STMN1	This gene belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]
UniProt Comments for STMN1	STMN1: a microtubule-associated protein involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Phosphorylation reduces tubulin binding 10-fold and suppresses the MT polymerization inhibition activity. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, nonleukemic proliferating lymphoid cells, bone marrow cells, or cells from patients with chronic lymphoid or myeloid leukemia. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 1p36.11 Cellular Component: microtubule; neuron projection; membrane; cytoplasm; intracellular; cytosol Molecular Function: tubulin binding; signal transducer activity Biological Process: mitotic spindle organization and biogenesis; axonogenesis; negative regulation of microtubule polymerization; response to virus; microtubule depolymerization; positive regulation of cell motility; brain development; signal transduction; neurite development; regulation of cytoskeleton organization and biogenesis
Research Articles on STMN1	**1.** STMN1 expression was associated with an unfavorable overall survival and disease-free proportion, and was an independent unfavorable prognostic factor for Lung Adenocarcinoma, even when restricted to stage I.
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