

Rabbit STMN1 Polyclonal Antibody | anti-STMN1 antibody

STMN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166862	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

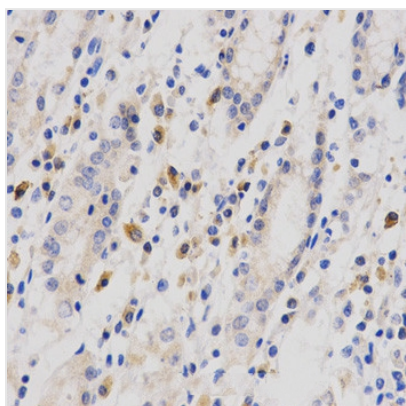
PRODUCT SYNONYMS

STMN1; Polyclonal Antibody; STMN1 Antibody; C1orf215; FLJ32206; LAP18; Lag; MGC138869; MGC138870; OP18; PP17; PP19; PR22; SMN; anti-STMN1 antibody

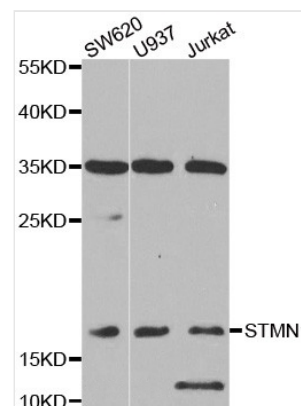
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	174
Applicable Applications for anti-STMN1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human STMN1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10897 / sc-10899 / sc-20796
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using STMN1 antibody at dilution of 1:200 (x400 lens)


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using STMN1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-STMN1 antibody	Stathmin is a ubiquitously expressed microtubule destabilizing phosphoprotein that is upregulated in a number of cancers. The amino terminus of the protein contains multiple phosphorylation sites and is involved in the promotion of tubulin filament depolymerization. Phosphorylation at these sites inactivates the protein and stabilizes microtubules. Ser16 phosphorylation by CaM kinases II and IV (1, 2) increases during G2/M-phase and is involved in mitotic spindle regulation (3, 4). Ser38 is a target for cdc2 kinase (5) and TNF-induced cell death gives rise to reactive oxygen intermediates leading to hyperphosphorylation of stathmin (6). EGF receptor activation of Rac and cdc42 also increases phosphorylation of stathmin on Ser16 and Ser38 (7). Other closely related family members are neuronally expressed and include SCG10, SCLIP, RB3 and its splice variants RB3' and RB3". Stathmin and SCG10 have been shown to play roles in neuronal-like development in PC12 cells (8).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224451142
NCBI GeneID	3925
NCBI Accession #	NP_001138926.1
NCBI GenBank Nucleotide #	NM_001145454.2
Molecular Weight	19,824 Da
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
NCBI Protein Information	stathmin; leukemia-associated phosphoprotein p18; metablastin; oncoprotein 18; phosphoprotein 19; phosphoprotein p19; prosolin; stathmin 1/oncoprotein 18; transmembrane protein C1orf215
UniProt Protein Name	Stathmin
UniProt Gene Name	STMN1
UniProt Synonym Gene Names	C1orf215; LAP18; OP18; Op18; pp19
UniProt Entry Name	STMN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.