

Rabbit STMN2 Polyclonal Antibody | anti-STMN2 antibody

STMN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328188	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

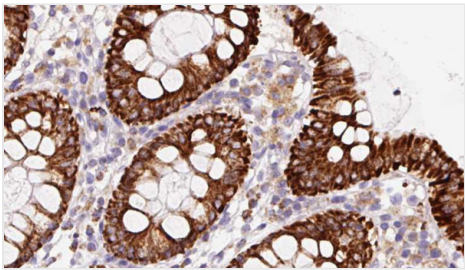
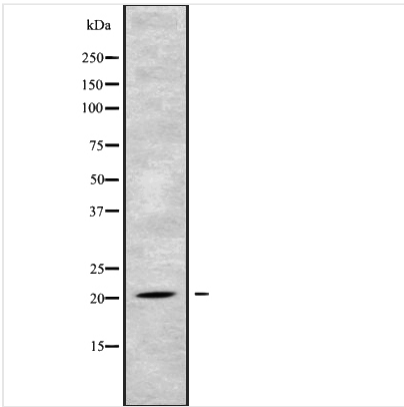
PRODUCT SYNONYMS

STMN2; Polyclonal Antibody; STMN2 Antibody; Neuron specific growth associated protein; Neuronal growth associated protein; Neuronal growth associated protein (silencer element); Protein SCG10; SCG 10; SCG10; SCG10 protein; SCGN 10; SCGN10; SGC 10; SGC10; Stathmin 2; Stathmin like 2; Stathmin-2; STMN 2; STMN2_HUMAN; Superior cervical ganglia neural specific 10; Superior cervical ganglion 10 protein; Superior cervical ganglion-10 protein; Superiorcervical ganglia neural specific 10; anti-STMN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	STMN2 antibody detects endogenous levels of total STMN2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	187
Applicable Applications for anti-STMN2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human STMN2
Subcellular Location	Cytoplasm. Cytoplasm > Perinuclear Region. Cell Projection > Growth Cone. Membrane. Cell Projection > Axon. Associated with punctate structures in the perinuclear cytoplasm, axons, and growth cones of developing neurons. SCG10 exists in both soluble and membrane-bound forms.
Tissue Specificity	Neuron specific.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA328188 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis STMN2 using mouse liver lysates

ADDITIONAL INFORMATION

Related Product Information for anti-STMN2 antibody

Function: Regulator of microtubule stability. When phosphorylated by MAPK8, stabilizes microtubules and consequently controls neurite length in cortical neurons. In the developing brain, negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone (By similarity).

Subunit Structure: Interacts with MAPK8 (By similarity). Interacts with ITM2C. Interacts with KIF1BP. Interacts (via the N-terminal region) with CIB1 (via C-terminal region); the interaction is direct, occurs in a calcium-dependent manner and attenuates the neurite outgrowth inhibition of STMN2.

Post-translational Modifications: Sumoylated. Phosphorylated mostly by MAPK8, but also by MAPK9 and MAPK10 in the developing brain cortex. N-terminal palmitoylation promotes specific anchoring to the cytosolic leaflet of Golgi membranes and subsequent vesicular trafficking along dendrites and axons. Neuronal Stathmins are substrates for palmitoyltransferases ZDHHC3, ZDHHC7 and ZDHHC15.

Similarity: Belongs to the stathmin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312922390
NCBI GeneID	11075
NCBI Accession #	NP_001186143.1
NCBI GenBank Nucleotide #	NM_001199214.1
UniProt Accession #	Q93045; O14952; Q6PK68; A8K9M2; G3V110
Molecular Weight	Observed: 21 kDa Predicted: 21 kDa
NCBI Official Full Name	stathmin-2 isoform 1
NCBI Official Synonym Full Names	stathmin 2
NCBI Official Symbol	STMN2
NCBI Official Synonym Symbols	SCG10; SCGN10
NCBI Protein Information	stathmin-2
UniProt Protein Name	Stathmin-2
UniProt Gene Name	STMN2
UniProt Synonym Gene Names	SCG10; SCGN10; Protein SCG10

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/stmn2-antibody-immunohistochemistry-western-blot-elisa/328188>