
Product Name: SCG10 (phospho Ser73) Rabbit Polyclonal Antibody**Catalog #: APRab05402**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC, ICC/IF, ELISA
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application**Dilution Ratio** IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000**Molecular Weight****Antigen Information**

Gene Name	STMN2
Alternative Names	STMN2; SCG10; SCGN10; Stathmin-2; Superior cervical ganglion-10 protein; Protein SCG10
Gene ID	11075.0
SwissProt ID	Q93045
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human SCG10 (phospho Ser73)

Background

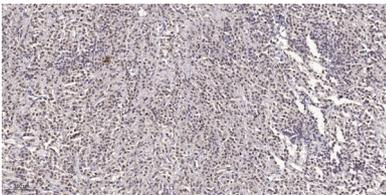
This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins function in microtubule dynamics

and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Nov 2010],function:May play a role in neuronal differentiation, and in modulating membrane interaction with the cytoskeleton during neurite outgrowth.,PTM:Sumoylated.,similarity:Belongs to the stathmin family.,subcellular location: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.,

Research Area

Regulation of Microtubule Dynamics

Image Data



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,SCG10 (phospho Ser73) Rabbit Polyclonal Antibody was diluted at 1:200 (4° overnight) . 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200