



# Stathmin (phospho-Ser38) mouse mAb

<b>Catalog No</b>	BYmab-03644
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	STMN2 SCG10 SCGN10
<b>Protein Name</b>	Stathmin (Ser38)
<b>Immunogen</b>	Synthesized phosho peptide around human Stathmin (Ser38)
<b>Specificity</b>	This antibody detects endogenous levels of Human Stathmin (phospho-Ser38)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Stathmin-2 (Superior cervical ganglion-10 protein) (Protein SCG10)
<b>Observed Band</b>	20kD
<b>Cell Pathway</b>	Cytoplasm . Cytoplasm, perinuclear region . Cell projection, growth cone. Membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, axon. Golgi apparatus. Endosome . Cell projection, lamellipodium. Associated with punctate structures in the perinuclear cytoplasm, axons, and growth cones of developing neurons. SCG10 exists in both soluble and membrane-bound forms. Colocalized with CIB1 in neurites of developing hippocampal primary neurons (By similarity). Colocalized with CIB1 in the cell body, neuritis and growth cones of neurons. Colocalized with CIB1 to the leading edge of lamellipodia. .
<b>Tissue Specificity</b>	Neuron specific.
<b>Function</b>	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.,

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## 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],

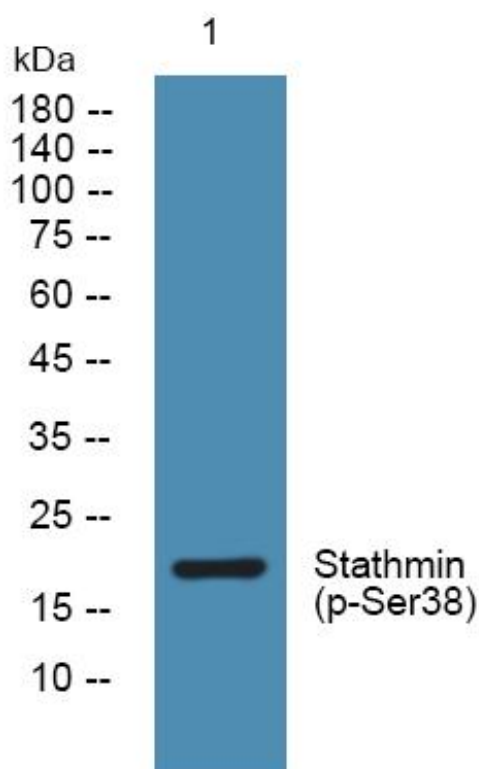
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using Stathmin (phospho-Ser38) mouse mAb