



Stathmin (phospho-Ser16) rabbit pAb

Catalog No	YP-Ab-03643
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA;IHC
Gene Name	STMN2 SCG10 SCGN10
Immunogen	Synthesized phosho peptide around human Stathmin (Ser16)
Specificity	This antibody detects endogenous levels of Human Mouse Rat Stathmin (phospho-Ser16)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C1orf215;Lag;LAP 18;LAP18;Leukemia associated phosphoprotein p18; Leukemia-associated phosphoprotein p18;Metablastin;Oncoprotein 18;OP 18; Op18;p18;p19;Phosphoprotein 19;Phosphoprotein p19;pp17;pp19;PR22;Pr22 protein;Prosolin;Protein Pr22;SMN;Stathmin;Stathmin1;STMN 1;Stmn1; STMN1_HUMAN;STMN2 SCG10 SCGN10;Stathmin (Ser16);Stathmin-2 (Superior cervical ganglion-10 protein) (Protein SCG10)
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	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. .
Tissue Specificity	Neuron specific.



Function

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.,

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],

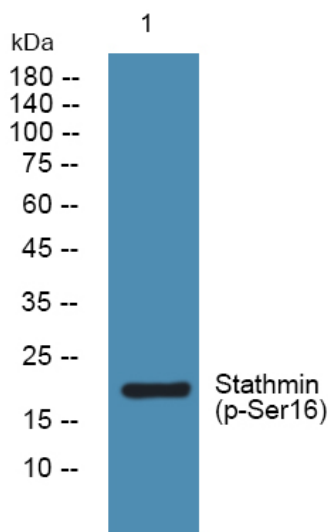
matters needing attention

Avoid repeated freezing and thawing!

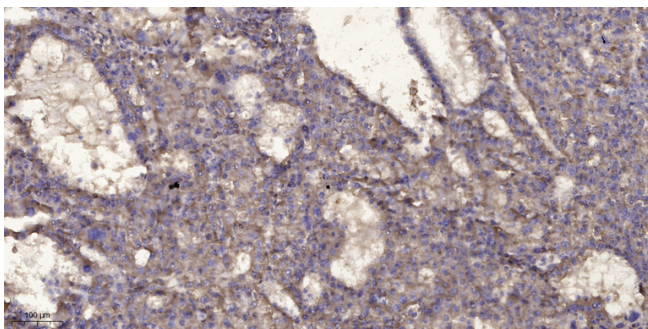
Usage suggestions

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

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200 (4° overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).