

ARG66524 anti-Stathmin 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Stathmin 1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b, kappa
Target Name	Stathmin 1
Species	Human
Immunogen	Synthetic peptide derived from Human Stathmin 1.
Conjugation	Un-conjugated
Alternate Names	PP17; ProsoLin; Stathmin; Protein Pr22; PR22; Lag; C1orf215; PP19; pp19; SMN; OP18; Leukemia-associated phosphoprotein p18; LAP18; pp17; Oncoprotein 18; Phosphoprotein p19; Op18; Metablastin

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:500
Application Note	IHC-P: Antigen Retrieval: EDTA buffer (pH 9.0) was used. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

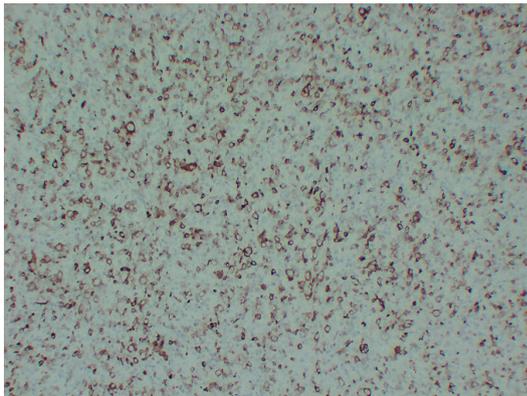
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

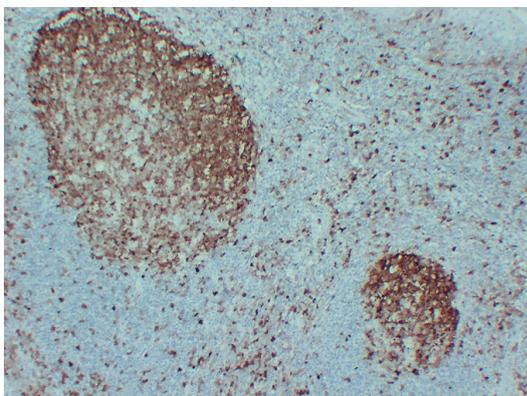
Gene Symbol	STMN1
Gene Full Name	stathmin 1
Background	This gene belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]
Function	Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear (By similarity). [UniProt]
Calculated Mw	17 kDa
PTM	Many different phosphorylated forms are observed depending on specific combinations among the sites which can be phosphorylated. MAPK is responsible for the phosphorylation of stathmin in response to NGF. Phosphorylation at Ser-16 seems to be required for neuron polarization (By similarity). Phosphorylation at Ser-63 reduces tubulin binding 10-fold and suppresses the MT polymerization inhibition activity. [UniProt]
Cellular Localization	Cytoplasm, cytoskeleton. [UniProt]

Images



ARG66524 anti-Stathmin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human Hodgkin's lymphoma stained with ARG66524 anti-Stathmin 1 antibody at 1:200 (4°C, overnight). Antigen Retrieval: EDTA buffer (pH 9.0) was used.



ARG66524 anti-Stathmin 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG66524 anti-Stathmin 1 antibody at 1:200 (4°C, overnight). Antigen Retrieval: EDTA buffer (pH 9.0) was used.