10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

STMN1 / Stathmin / LAG Antibody (C-Terminus)

Goat Polyclonal Antibody
Catalog # ALS13315

Specification

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	P16949
Reactivity	**Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**17kDa KDa**

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Additional Information

Gene ID 3925

Other Names
Stathmin, Leukemia-associated phosphoprotein p18, Metablastin, Oncoprotein 18, Op18, Phosphoprotein p19, pp19, Prosolin, Protein Pr22, pp17, STMN1, C1orf215, LAP18, OP18

Target/Specificity
Human STMN1. This antibody is expected to cross-react with isoform 1 a (NP_005554.1; NP_981944.1; NP_981946.1) only. The three reported isoforms (NP_005554.1, NP_981944.1 and NP_981946.1) represent identical protein.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
STMN1 / Stathmin / LAG Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Protein Information

Name STMN1

Synonyms C1orf215, LAP18, OP18

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).

Cellular Location
Cytoplasm, cytoskeleton.

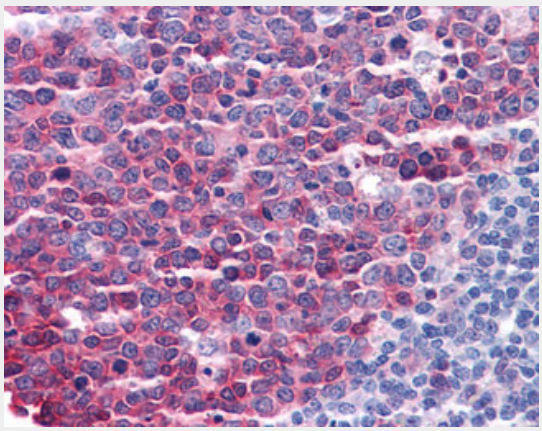
Tissue Location
Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels in all other tissues examined. Lowest expression is found in adult liver. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients with chronic lymphoid or myeloid leukemia.

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Images



Anti-STMN1 antibody IHC of human tonsil.

STMN1 / Stathmin / LAG Antibody (C-Terminus) - Background

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).

STMN1 / Stathmin / LAG Antibody (C-Terminus) - References

Zhu X.-X.,et al.J. Biol. Chem. 264:14556-14560(1989).
Maucuer A.,et al.FEBS Lett. 264:275-278(1990).
Melhem R.F.,et al.J. Biol. Chem. 266:17747-17753(1991).
Hosoya H.,et al.Cell Struct. Funct. 21:237-243(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).