

## STMN1 / Stathmin / LAG Antibody

Rabbit Polyclonal Antibody Catalog # ALS13639

### **Specification**

#### STMN1 / Stathmin / LAG Antibody - Product Information

Application IF, WB, IHC
Primary Accession P16949
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 17kDa KDa

### STMN1 / Stathmin / LAG Antibody - Additional Information

#### **Gene ID 3925**

#### **Other Names**

Stathmin, Leukemia-associated phosphoprotein p18, Metablastin, Oncoprotein 18, Op18, Phosphoprotein p19, pp19, Prosolin, Protein Pr22, pp17, STMN1, Clorf215, LAP18, OP18

#### Target/Specificity

Human Stathmin 1.

#### **Reconstitution & Storage**

Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Precautions**

STMN1 / Stathmin / LAG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## STMN1 / Stathmin / LAG Antibody - Protein Information

## Name STMN1

Synonyms Clorf215, 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.

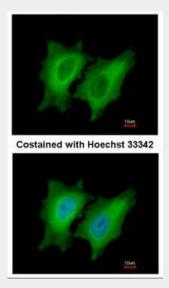
**Volume** 50 μl

# STMN1 / Stathmin / LAG Antibody - Protocols

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

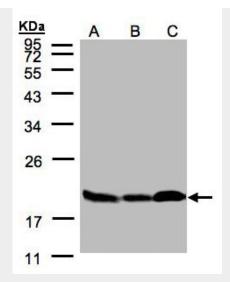
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# STMN1 / Stathmin / LAG Antibody - Images

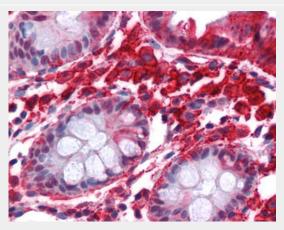


Immunofluorescence of paraformaldehyde-fixed HeLa, using Stathmin 1 antibody at 1:200 dilution.





Sample(30 g of whole cell lysate).



Anti-STMN1 antibody IHC of human colon.

# STMN1 / Stathmin / LAG Antibody - 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 - 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).