

## Stathmin (ABT266) IHC kit

CatalogNo: IHCM6910

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human, Mouse, Rat,

#### Applications

- IHC

#### Isotype

- IgG2a, Kappa

### Recommended Dilution Ratios

### Storage

**Storage\*** 2°C to 8°C/1 year

### Basic Information

**Clonality** Monoclonal

**Clone Number** ABT266

### Immunogen Information

**Immunogen** Synthesized peptide derived from human Stathmin AA range: 1-100

**Specificity** The antibody can specifically recognize human Stathmin protein.

### Target Information

**Gene name** STMN1 C1orf215 LAP18 OP18

**Protein Name** Stathmin

**Organism**

**Gene ID**

**UniProt ID**

Human

[3925](#);

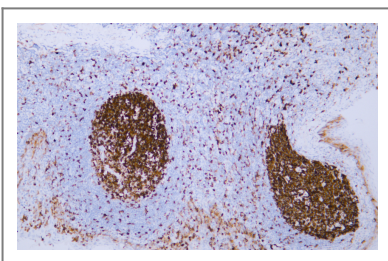
[P16949](#);

**Cellular Localization** Cytoplasmic

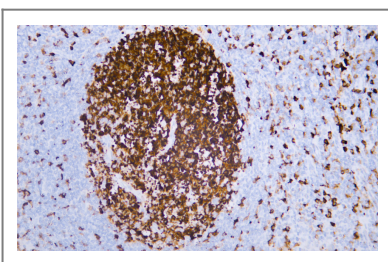
**Tissue specificity** Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels 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.

**Function** Disease: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.,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.,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.,similarity:Belongs to the stathmin family.,subunit:Binds to two alpha/beta-tubulin heterodimers. Interacts with KIST.,tissue specificity: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.,

## Validation Data



Human tonsil tissue was stained with Anti-Stathmin (ABT266) Antibody



Human tonsil tissue was stained with Anti-Stathmin (ABT266) Antibody

## | Contact information

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Please scan the QR code  
to access additional  
product information:  
**Stathmin (ABT266)**  
**IHC kit**

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For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)