

Stathmin (ABT347) IHC kit

CatalogNo: IHCM6097

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 ABT347

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 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

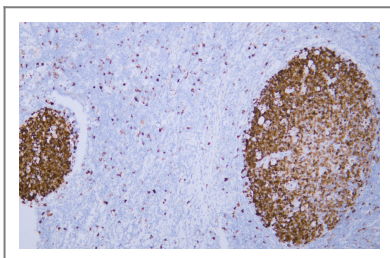
Organism	Gene ID	UniProt ID
Human	3925;	P16949;
Mouse		P54227;
Rat		P13668;

Cellular Localization Cytoplasmic

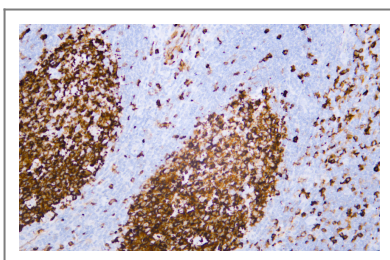
Tissue specificity Tonsil

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 (ABT347) Antibody



Human tonsil tissue was stained with Anti-Stathmin (ABT347) Antibody

| Contact information

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Stathmin (ABT347)
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