Stathmin (ABT396) Mouse mAb

CatalogNo: YM4900

Key Features

Host Species
- Mouse

Reactivity
- Human,Rat,

Applications
- IHC,WB,IF,ELISA

MW
- 17kD (Calculated)

17kD (Observed)

Isotype
- IgG2b,Kappa

Recommended Dilution Ratios

IHC 1:200-1000
WB 1:500-2000
IF 1:100-500
ELISA 1:1000-5000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	ABT396

Immunogen Information

Immunogen	Synthesized peptide derived from human Stathmin AA range: 1-100
Specificity	The antibody can specifically recognize human Stathmin protein. In western blotting of Hela cell lysate, the antibody can label a 17 kDa band corresponding to Stathmin.

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

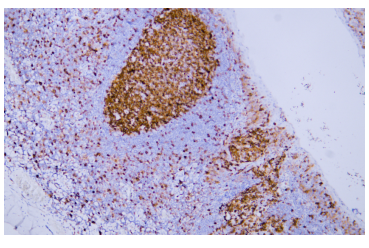
Organism	Gene ID	UniProt ID
Human	3925;	P16949;
Mouse	16765;	P54227;
Rat	29332;	P13668;

Cellular Localization Cytoplasmic

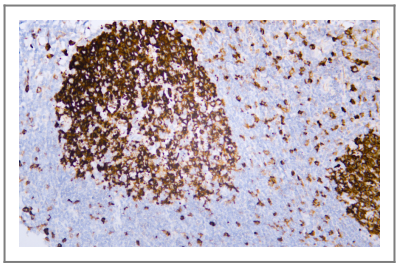
Tissue specificity Tonsil

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 (ABT396) Antibody



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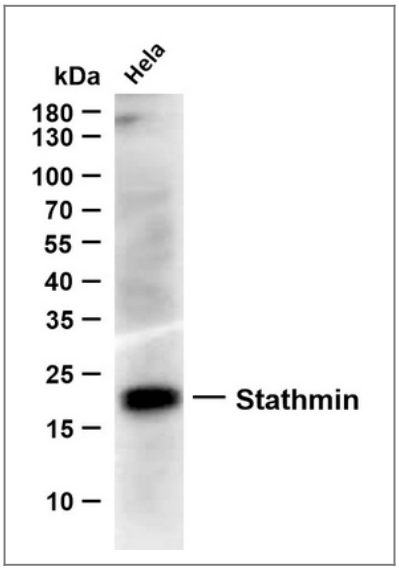

Whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-Stathmin (ABT396) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela

Contact information

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Please scan the QR code to access additional product information:
Stathmin (ABT396) Mouse mAb