

# Anti-Stathmin 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

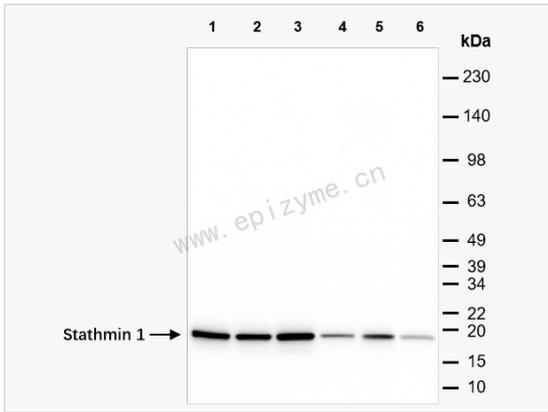
Catalog # R014366

## Product Information

|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA   |
| Reactivity  | Human, Mouse, Rat   |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200   |
| Host        | Rabbit  |
| Clonality   | Monoclonal  |
| Clone No.   | 60H89F22  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthesized peptide derived from human Interferon gamma   |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Stathmin 1 Rabbit mAb [60H89F22] is for research use only and not for use in diagnostic or therapeutic procedures.     |

## Protein Information

|                   |   |
|-------------------|---|
| Synonyms          | 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, Prosofin, Protein Pr22, SMN, Stathmin, Stathmin1, STMN 1, Stmn1, STMN1_HUMAN.  |
| Calculated MW     | Calculated MW: 17 kDa; Observed MW: 17 kDa  |
| Uniprot ID        | P16949  |
| Gene ID           | 3925  |
| 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.   |
| 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. |



Western Blot - Anti-Stathmin 1 Rabbit mAb [60H89F22]

All lanes: R014366 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Rat spleen whole tissue lysates

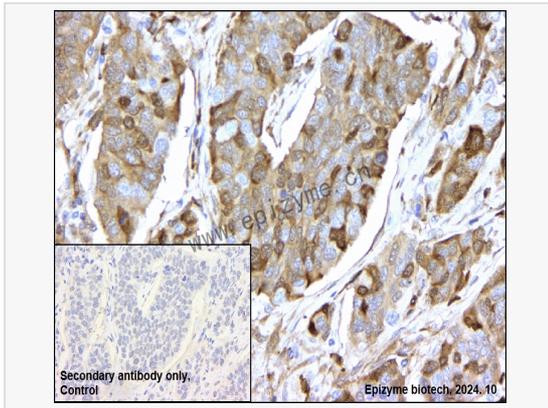
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Stathmin 1 Rabbit mAb [60H89F22]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

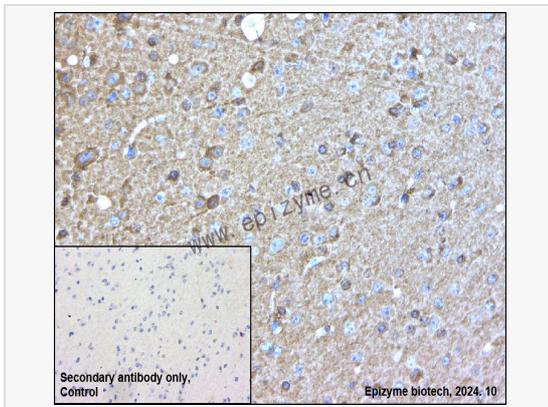
Primary antibody: R014366 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Stathmin 1 Rabbit mAb [60H89F22]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

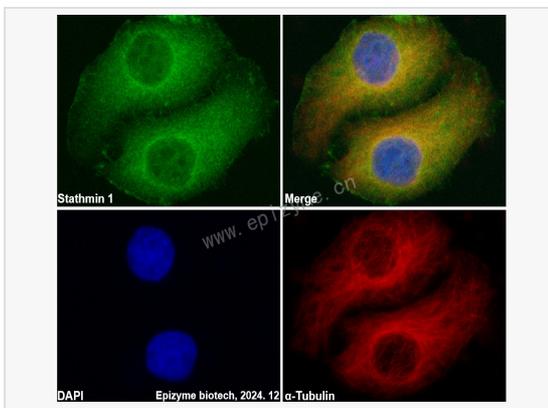
Primary antibody: R014366 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Stathmin 1 Rabbit mAb [60H89F22]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014366 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).