# Recombinant Stathmin 1 / STMN1 Antibody

Mouse Monoclonal Antibody [Clone rSTMN1/9255]

| Catalog No | Format | Size |
|---|---|---|
| 3925-MSM14-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3925-MSM14-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3925-MSM14-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

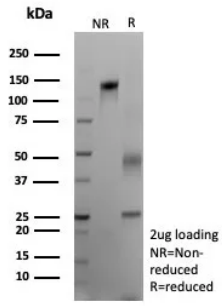
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

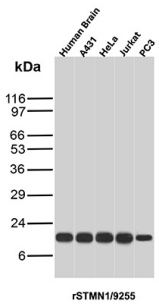
| | |
|---|---|
| **Clone** | rSTMN1/9255 |
| **Immunogen** | Recombinant fragment (around aa131-149) of the human Stathmin 1 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2b / Kappa |
| **Mol. Weight of Antigen** | 17.3kDa |
| **Cellular Localization** | Cytoplasm, Cytoskeleton |
| **Species Reactivity** | Human |
| **Positive Control** | Human brain or melanoma tissue. A431, HeLa, Jurkat, PC3. |

**Optimal dilution for a specific application should be determined.*

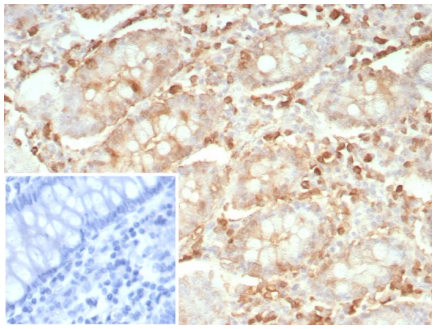
## Product Images for Recombinant Stathmin 1 / STMN1 Antibody




SDS-PAGE Analysis of Purified Stathmin 1 Recombinant Mouse Monoclonal Antibody (rSTMN1/9255). Confirmation of Purity and Integrity of Antibody.




Western blot analysis of Human Brain, A431, HeLa, Jurkat and PC3 lysates using Stathmin 1 / STMN1 Recombinant Mouse Monoclonal Antibody (rSTMN1/9255).



Formalin-fixed, paraffin-embedded human colon carcinoma stained with Stathmin 1 Recombinant Mouse Monoclonal Antibody (rSTMN1/9255). Inset: PBS instead of primary antibody; secondary only negative control.

## Specificity & Comments

Op18 (for oncoprotein 18, also designated stathmin, prosolin or metablastin) is a conserved, Tubulin-associated, intracellular phosphoprotein. Many different phosphorylated forms of Op18 are observed, and it is expressed as two different isoforms. Op18 is considered a critical regulator of microtubulin dynamics and is downregulated by p53. It serves as a transducing protein, via phophorylation, for a variety of cell signaling pathways and is involved in both mitosis and differentiation.Op18 is present in many cancers, including breast carcinomas, and is highly expressed in acute leukemias of different subtypes.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.