

## Recombinant Stathmin 1 / STMN1 Antibody

Rabbit Monoclonal Antibody [Clone STMN1/8023R]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 3925-RBM3-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 3925-RBM3-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 3925-RBM3-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

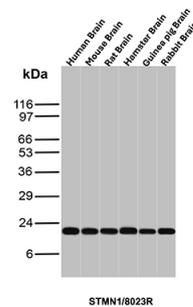
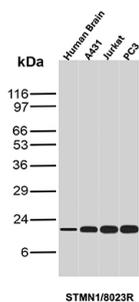
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed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

### Product Details

|                               |   |
|-------------------------------|---|
| <b>Clone</b>                  | STMN1/8023R   |
| <b>Gene Name</b>              | STMN1   |
| <b>Immunogen</b>              | Recombinant fragment of human STMN1 protein (exact sequence is proprietary) |
| <b>Host</b>                   | Rabbit  |
| <b>Clonality</b>              | Monoclonal  |
| <b>Isotype / Light Chain</b>  | IgG / Kappa   |
| <b>Mol. Weight of Antigen</b> | 19kDa   |
| <b>Cellular Localization</b>  | Cytoplasm. Cytoskeleton.  |
| <b>Species Reactivity</b>     | Human   |
| <b>Positive Control</b>       | Human brain or melanoma tissue. A431, Jurkat, PC3.                          |

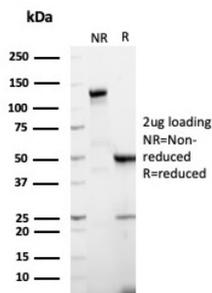
\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant Stathmin 1 / STMN1 Antibody

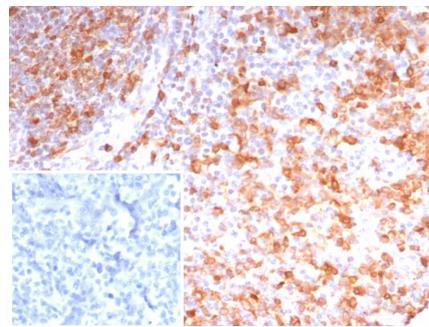


Western blot analysis of Human Brain, A431, Jurkat and PC3 lysates using Stathmin 1 / STMN1 Recombinant Rabbit Monoclonal Antibody (STMN1/8023R).

Western blot analysis of Brain tissue lysate of different species using Stathmin1 / STMN1 Recombinant Rabbit Monoclonal Antibody (STMN1/8023R).



SDS-PAGE Analysis of Purified Stathmin Recombinant Rabbit Monoclonal Antibody (STMN1/8023R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with Stathmin 1 Recombinant Rabbit Monoclonal Antibody (STMN1/8023R). 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 phosphorylation, 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 purified from Bioreactor Concentrate by Protein A/G. 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.

### Research Areas

MAPK Signaling, Signal Transduction

### 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.