

For Research Use Only

# STMN2 Recombinant antibody

Catalog Number: 82925-2-RR



## Basic Information

<b>Catalog Number:</b> 82925-2-RR	<b>GenBank Accession Number:</b> BC006302	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 11075	<b>CloneNo.:</b> 230110B12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q93045	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:200-1:800 IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> stathmin-like 2	
<b>Immunogen Catalog Number:</b> AG0929	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 18-21 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, IP, WB, ELISA

**Species Specificity:**  
Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : SH-SY5Y cells,

IP : SH-SY5Y cells,

IHC : mouse brain tissue,

IF : SH-SY5Y cells,

## Background Information

Stathmin-2 (encoded by STMN2), a member of the stathmin family of proteins, encodes a phosphoprotein that has an important role in microtubule dynamics. The STMN2 protein promotes microtubule dynamics in axonal growth cones, and is thought to play an important role in neurite outgrowth. STMN2 protein is localized in both Golgi and cytosolic compartments. Its expression appears modulated in osteoblasts by nerve growth factor, dexamethasone or RhoA kinase inhibitor Y-27632 which are known effectors of osteogenesis. (PMID: 33841129, PMID: 18611392)

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

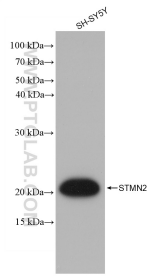
T: 4006900926

E: Proteintech-CN@ptglab.com

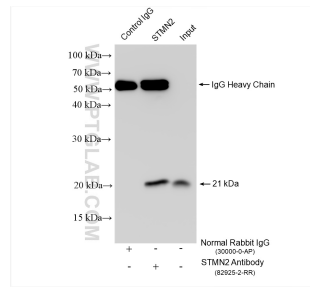
W: ptgcn.com

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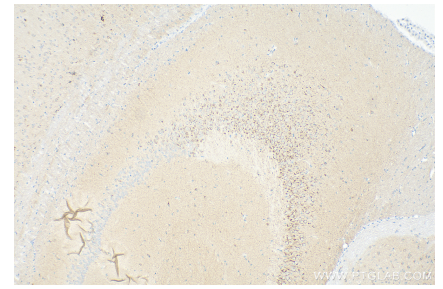
## Selected Validation Data



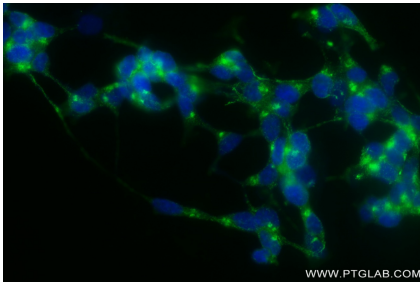
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 82925-2-RR (STMN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-STMN2 (IP:82925-2-RR, 4ug; Detection:82925-2-RR 1:1500) with SH-SY5Y cells lysate 1240 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82925-2-RR (STMN2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using STMN2 antibody (82925-2-RR, Clone: 230110B12) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).