

For Research Use Only

STMN2 Recombinant antibody

Catalog Number: 82925-2-RR



Basic Information

Catalog Number: 82925-2-RR	GenBank Accession Number: BC006302	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 11075	CloneNo.: 230110B12
Source: Rabbit	UNIPROT ID: Q93045	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:200-1:800 IF 1:50-1:500
Isotype: IgG	Full Name: stathmin-Like 2	
Immunogen Catalog Number: AG0929	Calculated MW: 21 kDa	
	Observed MW: 18-21 kDa	

Applications

Tested Applications:

IF, 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

*** 20ul sizes contain 0.1% BSA

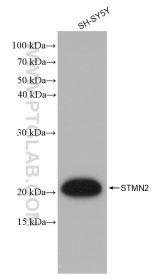
For technical support and original validation data for this product please contact:

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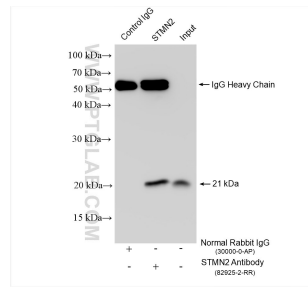
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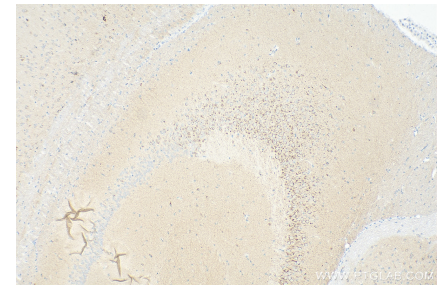
Selected Validation Data



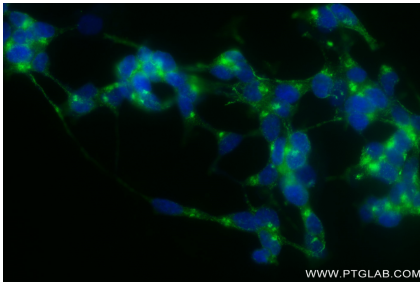
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 82925-2-RR (STMN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).