

For Research Use Only

CoraLite® Plus 488-conjugated STMN2 Monoclonal antibody

Catalog Number:CL488-67204



Basic Information

Catalog Number: CL488-67204	GenBank Accession Number: BC006302	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 11075	CloneNo.: 1F6C4
Source: Mouse	UNIPROT ID: Q93045	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: stathmin-Like 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28990	Calculated MW: 21 kDa	
	Observed MW: 22 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : SH-SY5Y cells,
Species Specificity: human, mouse, rat, pig	

Background Information

STMN2 gene encodes a SCG10 (superior cervical ganglion-10) protein, a regulator of microtubule stability. When phosphorylated by MAPK8, SCG10 stabilizes microtubules and consequently controls neurite length in cortical neurons. SCG10 was early considered a neuron-specific growth-associated protein in Alzheimer's disease. In the developing brain, SCG10 negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone.

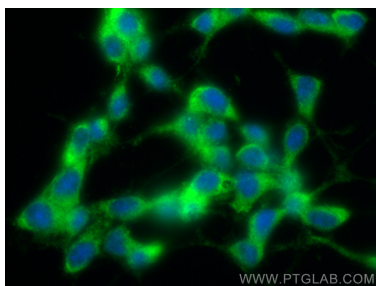
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

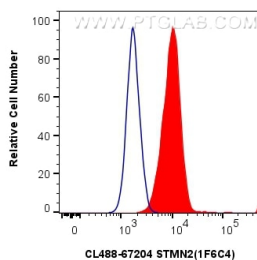
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using CoraLite® Plus 488 STMN2 antibody (CL488-67204, Clone: 1F6C4) at dilution of 1:200.



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated STMN2 Monoclonal antibody (CL488-67204, Clone:1F6C4) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).