

For Research Use Only

CoraLite® Plus 488-conjugated SMN Recombinant monoclonal antibody

Catalog Number: CL488-86668-2



Basic Information

Catalog Number: CL488-86668-2	GenBank Accession Number: BC015308	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6607	CloneNo.: 251620C4
Source: Rabbit	UNIPROT ID: Q16637	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: survival of motor neuron 2, centromeric	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG4812	Calculated MW: 30 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells, HepG2 cells
Species Specificity: human, mouse, rat	

Background Information

Spinal muscular atrophy (SMA) is an autosomal recessive neurodegenerative disease characterized by loss of anterior horn cells in the spinal cord and concomitant symmetrical muscle weakness and atrophy (PMID: 16364894). SMA is caused by deletion or mutations of the survival motor neuron (SMN1) gene. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though nearly identical to SMN1, is only partially functional (PMID: 17355180). A large majority of SMN2 transcripts lack exon 7, resulting in production of a truncated, less stable SMN protein (PMID: 10369862). The level of SMN protein correlates with phenotypic severity of SMA.

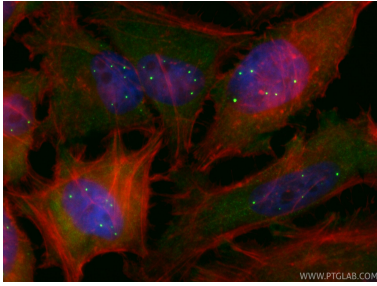
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

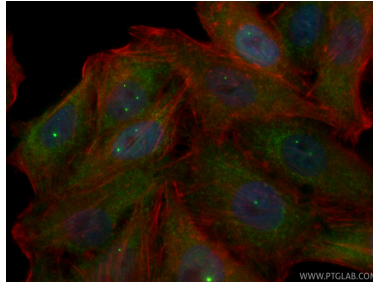
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 SMN antibody (CL488-86668-2, Clone: 251620C4) at dilution of 1:200, CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 SMN antibody (CL488-86668-2, Clone: 251620C4) at dilution of 1:200, CL594-phalloidin (red).