

For Research Use Only

CoraLite®594-conjugated SMN-Exon7 Monoclonal antibody

Catalog Number:CL594-60255



Basic Information

Catalog Number: CL594-60255	GenBank Accession Number: BC062723	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6606	CloneNo.: 3A8G11
Source: Mouse	UNIPROT ID: Q16637	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: survival of motor neuron 1, telomeric	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG16615	Calculated MW: 294 aa, 32 kDa	
	Observed MW: 40 kDa	

Applications

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

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. This antibody, 60255-1-Ig, raised against the C-terminal region (275-294aa) encoded by the exon 7.

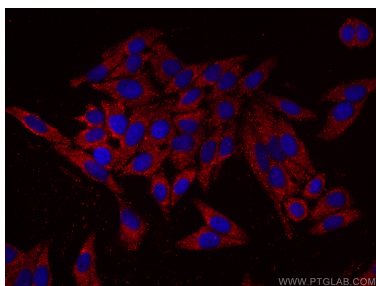
Storage

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)
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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 HepG2 cells using CoraLite®594 SMN-Exon7 antibody (CL594-60255, Clone: 3A8G11) at dilution of 1:200.