

CoraLite®594-conjugated SMN (Human,Mouse,Rat) Monoclonal antibody

Catalog Number: **CL594-60154**

Basic Information

Catalog Number: CL594-60154	GenBank Accession Number: BC000908	Purification Method: Protein A purification
Size: 2000 µg/ml	GeneID (NCBI): 6607	CloneNo.: 3C10B5
Source: Mouse	UNIPROT ID: Q16637	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: survival of motor neuron 2, centromeric	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG14333	Calculated MW: 282 aa, 30 kDa	
	Observed MW: 38 kDa	

Applications

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

Background Information

The survival of motor neurons (SMN) genes are the disease genes of spinal muscular atrophy (SMA), a common motor neuron degenerative disease. The level of SMN protein correlates with phenotypic severity of SMA. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though nearly identical to SMN1, is only partially functional, because a large majority of SMN2 transcripts lack exon 7, resulting in production of a truncated, less stable SMN protein. This antibody 60154-2-Ig can recognize human, mouse and rat SMN gene.

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:

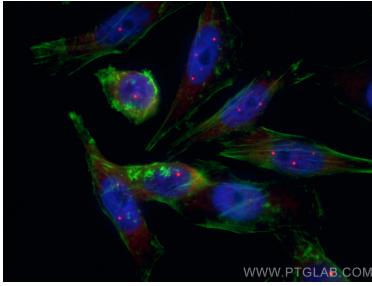
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® 594 SMN (Human, Mouse, Rat) antibody (CL594-60154, Clone: 3C10B5) at dilution of 1:200, CL488-Phalloidin (green).