

For Research Use Only



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

Catalog Number: **CL594-60154**

## Basic Information

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

## Applications

**Tested Applications:**  
IF/ICC

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**  
IF/ICC : HepG2 cells,

## 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:

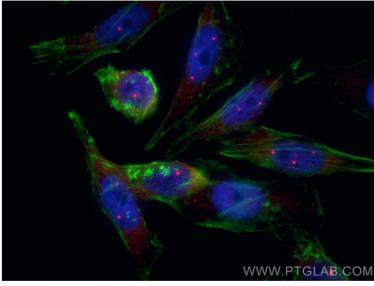
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## 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).