

For Research Use Only

SMN (Human,Mouse,Rat) Monoclonal antibody



Catalog Number: 60154-2-Ig

Featured Product

Basic Information

Catalog Number:

60154-2-Ig

Size:

1800 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG14333

GenBank Accession Number:

BC000908

GeneID (NCBI):

6607

UNIPROT ID:

Q16637

Full Name:

survival of motor neuron 2,
centromeric

Calculated MW:

282 aa, 30 kDa

Observed MW:

38 kDa

Purification Method:

Protein A purification

CloneNo.:

3C10B5

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF 1:400-1:1600

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, A375 cells, HeLa cells, T-47D cells, HEK-293 cells, MOLT-4 cells, Jurkat cells, Raji cells

IHC: mouse liver tissue, mouse brain tissue

IF: 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

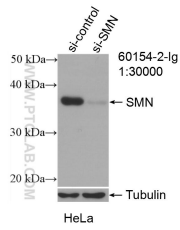
T: 4006900926

E: Proteintech-CN@ptglab.com

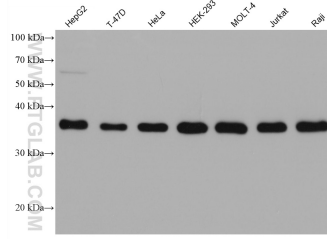
W: ptgcn.com

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

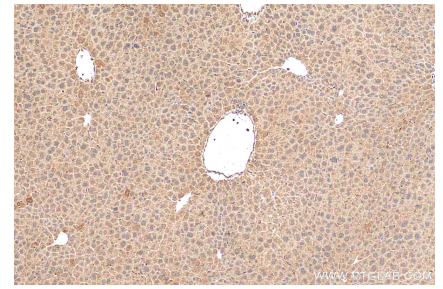
Selected Validation Data



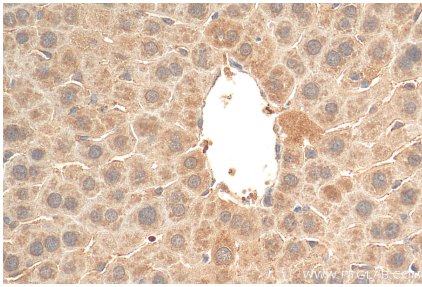
WB result of SMN (Human,Mouse,Rat) antibody (60154-2-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN (Human,Mouse,Rat) transfected HeLa cells.



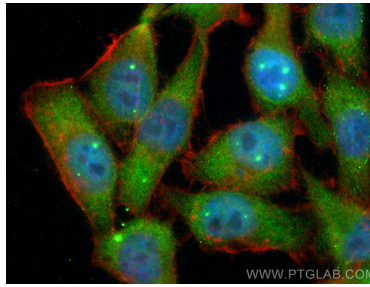
Various lysates were subjected to SDS PAGE followed by western blot with 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMN (Human,Mouse,Rat) antibody (60154-2-Ig, Clone: 3C10B5) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).