For Research Use Only

SMN (Human,Mouse,Rat) Monoclonal antibody, PBS Only

Catalog Number:60154-2-PBS Featured Product

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60154-2-PBS

Size:
1mg/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

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

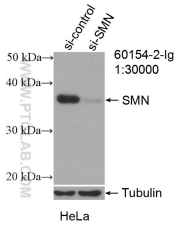
The survival of motor neurons (SMN) genes are the disease genes of spinal muscular atrophy (SMA), a common motor neuron degenerative disease. The level of SMN protein correlates with phenotypic severity of SMA. SMA patients lack a functional SMN1 gene, but they possess an intact SMN2 gene, which though 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

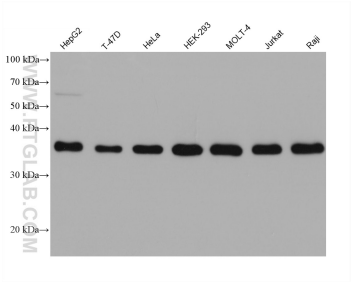
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

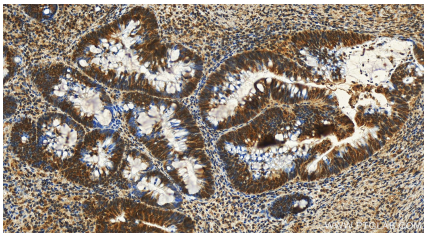
Selected Validation Data



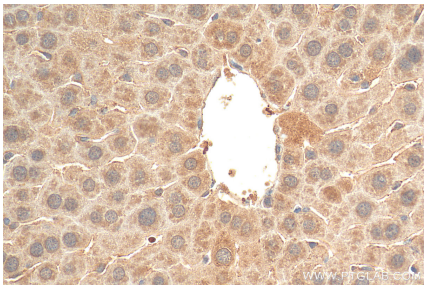
WB result of SMN (Human,Mouse,Rat) antibody (60154-2-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN (Human,Mouse,Rat) transfected HeLa cells. This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



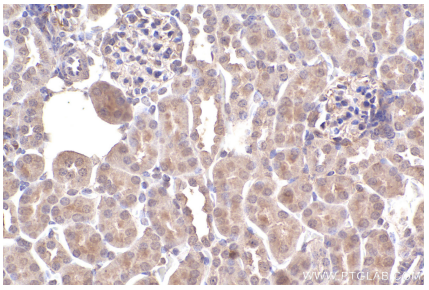
Various lysates were subjected to SDS PAGE followed by western blot with 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



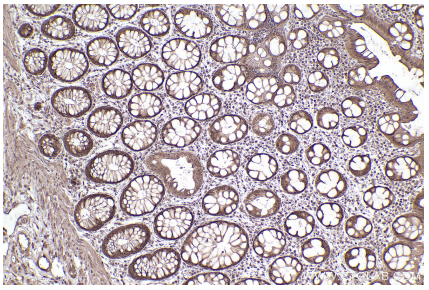
Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



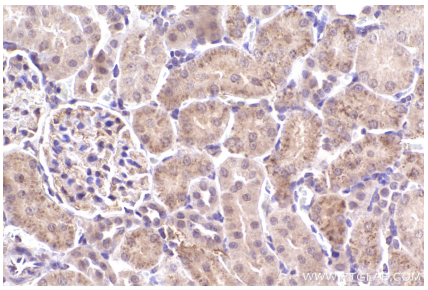
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



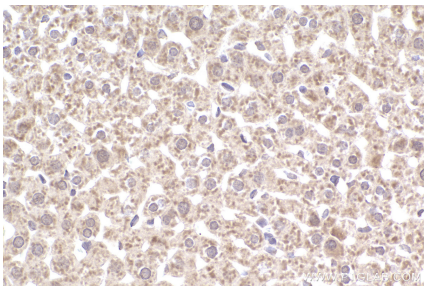
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



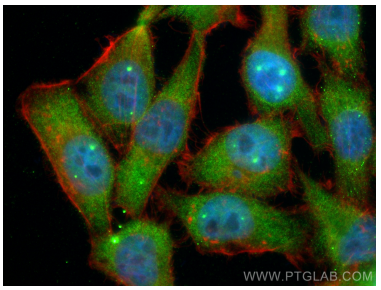
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



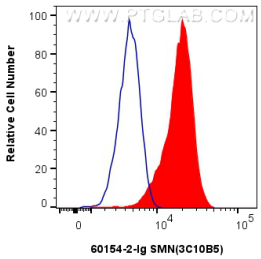
Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 60154-2-Ig (SMN (Human,Mouse,Rat) antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60154-2-PBS in a different storage buffer formulation.



1x10^6 Jurkat cells were intracellularly stained with 0.25 ug SMN (Human,Mouse,Rat) Monoclonal antibody (60154-2-Ig, Clone:3C10B5) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 60154-2-