For Research Use Only

SMN-Exon7 Monoclonal antibody, PBS Only

Catalog Number:60255-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60255-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16615

GenBank Accession Number:
BC062723

GeneID (NCBI):
6606

UNIPROT ID:
Q16637

Full Name:
survival of motor neuron 1, telomeric

Calculated MW:
294 aa, 32 kDa

Observed MW:
40 kDa

Purification Method:
Protein A purification

CloneNo.:
3A8G11

Applications

Tested Applications:
WB,Indirect ELISA,IF

Species Specificity:
human

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 -80°C.
Storage Buffer:
PBS Only

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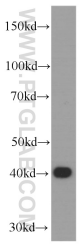
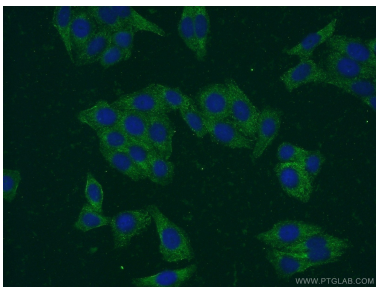
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 60255-1-Ig (SMN-Exon7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60255-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells using 60255-1-Ig (SMN-Exon7 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L). This data was developed using the same antibody clone with 60255-1-PBS in a different storage buffer formulation.