

For Research Use Only

SMN Polyclonal antibody, PBS Only

Catalog Number: 11708-1-PBS

Featured Product



Basic Information

Catalog Number:

11708-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2260

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:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

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, 11708-1-AP, raised against the recombinant full-length human SMN2 protein, recognizes all isoforms of SMN protein.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

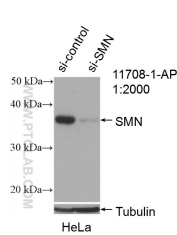
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

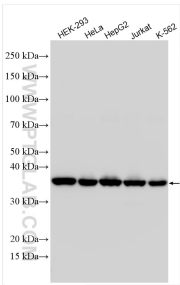
E: proteintech@ptglab.com
W: ptglab.com

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

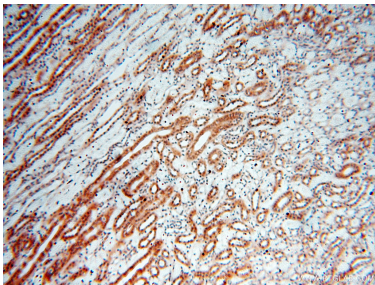
Selected Validation Data



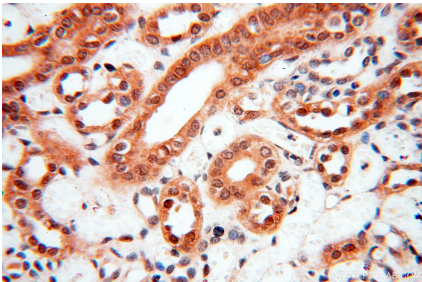
WB result of SMN antibody (11708-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN transfected HeLa cells. This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.



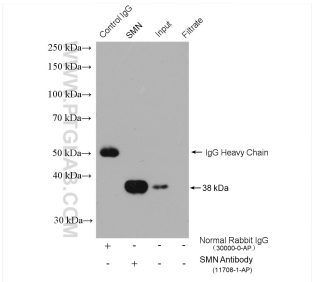
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11708-1-AP (SMN antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.



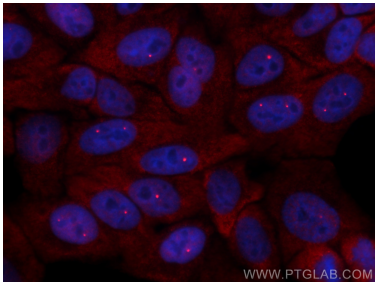
Immunohistochemical analysis of paraffin-embedded human kidney using 11708-1-AP (SMN antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney using 11708-1-AP (SMN antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.



IP result of anti-SMN (IP:11708-1-AP, 4ug; Detection:11708-1-AP 1:2000) with HEK-293 cells lysate 1040 ug. This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMN antibody (11708-1-AP) at dilution of 1:1500 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). This data was developed using the same antibody clone with 11708-1-PBS in a different storage buffer formulation.