

À des fins de recherche uniquement

# Anticorps Monoclonal anti-SMN (Human-Specific)



Numéro de catalogue: 60154-1-Ig

Phare

2 Publications

## Informations de base

Numéro de catalogue:

60154-1-Ig

Numéro d'acquisition GenBank:

BC000908

Méthode de purification:

Purification par protéine A

Taille:

150ul, Concentration: 2766 µg/ml by 6607

Identification du gène (NCBI):

6607

CloneNo.:

2C6D9

Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;

Nom complet:

survival of motor neuron 2, centromeric

Dilutions recommandées:

WB 1:1000-1:6000

Hôte:

Mouse

MW calculé

282 aa, 30 kDa

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

Isotype:

IgG2a

MW observés:

38 kDa

IHC 1:20-1:200

IF 1:500-1:2000

Immunogen Catalog Number:

AG14333

## Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Contrôles positifs:

WB : cellules A375, cellules HEK-293, cellules HepG2, cellules Raji

Demandes citées:

WB

IP : cellules HEK-293,

Spécificité de l'espèce:

Humain

IHC : tissu cérébral humain, tissu cardiaque humain, tissu hépatique humain, tissu rénal humain

Espèces citées:

Humain

IF : cellules HepG2,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

## Informations générales

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 60154-1-Ig is specific to human SMN2. It can't recognize mouse and rat SMN.

## Publications notables

Autrice	Pubmed ID	Journal	Application
James Palacino	26030728	Nat Chem Biol	
Mandana Arbab	36996170	Science	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

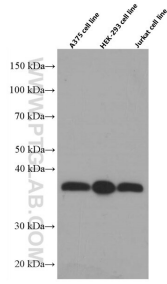
For technical support and original validation data for this product please contact:

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

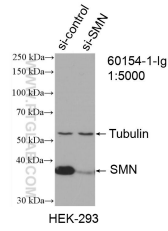
E: proteintech@ptglab.com  
W: ptglab.com

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

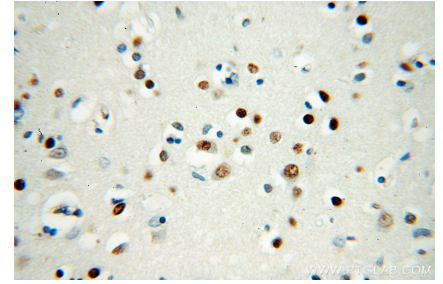
## Données de validation sélectionnées



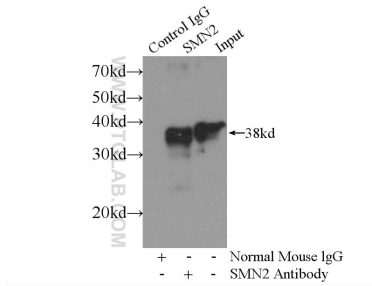
A375, HEK-293, and Jurkat cells were subjected to SDS PAGE followed by western blot with 60154-1-Ig (SMN (Human-Specific) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



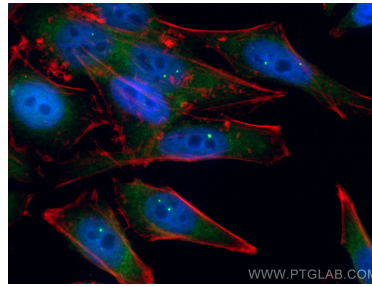
WB result of SMN (Human-Specific) antibody (60154-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN (Human-Specific) transfected HEK-293 cells.



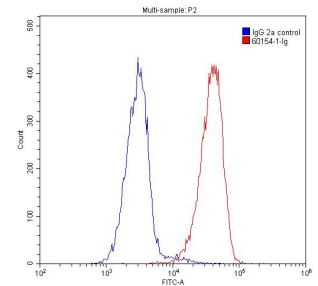
Immunohistochemical analysis of paraffin-embedded human brain using 60154-1-Ig (SMN (Human-Specific) antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-SMN (Human-Specific) (IP:60154-1-Ig, 4ug; Detection:60154-1-Ig 1:500) with HEK-293 cells lysate 2440ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SMN (Human-Specific) antibody (60154-1-Ig, Clone: 2C6D9) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> Jurkat cells were stained with 0.20ug SMN (Human-Specific) antibody (60154-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.