

Nur für Forschungszwecke

SMN (Human-Specific) Monoklonaler Antikörper



Katalog-Nr.: 60154-1-Ig

Vorgestelltes Produkt

2 Publikationen

Allgemeine Informationen

Katalog-Nr.:
60154-1-Ig

Größe:
150ul, Konzentration: 2766 µg/ml von 6607
Nanodrop und 1000 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Maus

Isotyp:
IgG2a

Immunogen Katalognummer:
AG14333

GenBank-Zugangsnummer:
BC000908

GeneID (NCBI):

Vollständiger Name:
survival of motor neuron 2,
centromeric

Berechnete Masse:
282 aa, 30 kDa

Beobachtete Masse:
38 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2C6D9

Empfohlene Verdünnungen:
WB 1:1000-1:6000
IP 0.5-4.0 µg für IP und 1:500-1:1000
für WB
IHC 1:20-1:200
IF 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human

Zitierte Arten:
Human

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

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

IP: HEK-293-Zellen,

IHC: humanes Hirngewebe, humanes Herzgewebe, humanes Lebergewebe, humanes Nierengewebe

IF: HepG2-Zellen,

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
James Palacino	26030728	Nat Chem Biol	
Mandana Arbab	36996170	Science	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

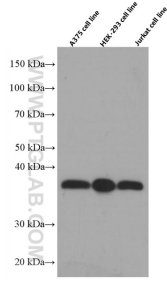
For technical support and original validation data for this product please contact:

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

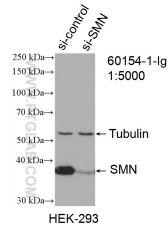
E: proteintech@ptglab.com
W: ptglab.com

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

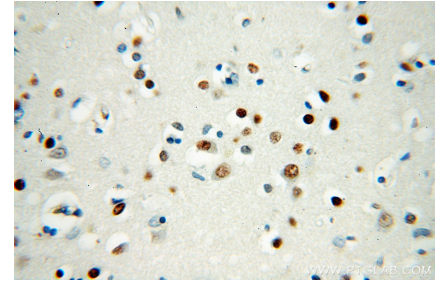
Ausgewählte Validierungsdaten



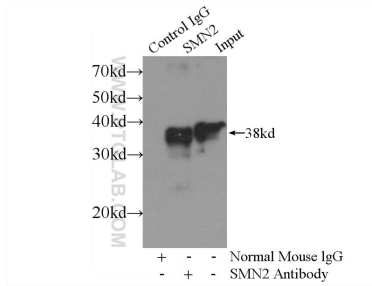
A375, HEK-293, and Jurkat cells were subjected to SDS PAGE followed by western blot with 60154-1-Ig (SMN (Human-Specific) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



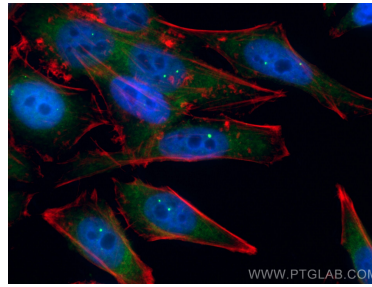
WB result of SMN (Human-Specific) antibody (60154-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN (Human-Specific) transfected HEK-293 cells.



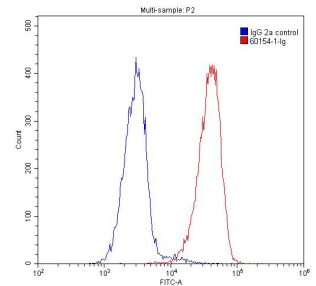
Immunohistochemical analysis of paraffin-embedded human brain using 60154-1-Ig (SMN (Human-Specific) antibody) at dilution of 1:50 (under 40x lens).



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).



1x10⁶ Jurkat cells were stained with 0.20ug SMN (Human-Specific) antibody (60154-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.