

## Allgemeine Informationen

Katalog-Nr.:  
22329-1-AP

Größe:  
150ul, Konzentration: 500 µg/ml von  
Nanodrop und 333 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG17798

GenBank-Zugangsnummer:  
BC000908

GeneID (NCBI):  
6607

Vollständiger Name:  
survival of motor neuron 2,  
centromeric

Berechnete Masse:  
282 aa, 30 kDa

Beobachtete Masse:  
38 kDa

Reinigungsmethode:

Antigen-affinitätsgereinigt

Empfohlene Verdünnungen:

WB 1:1000-1:4000

IHC 1:50-1:500

IF 1:20-1:200

## Anwendungen

Geprüfte Anwendungen:

IF, IHC, WB, ELISA

Getestete Reaktivität:

Human

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

Positivkontrollen:

WB: K-562-Zellen, HEK-293-Zellen, HepG2-Zellen,  
Jurkat-Zellen

IHC: humanes Hodengewebe,

IF: HepG2-Zellen,

## Hintergrundinformationen

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.

## 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

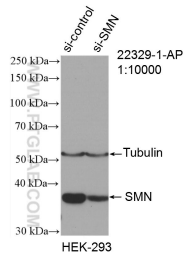
For technical support and original validation data for this product please contact:

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

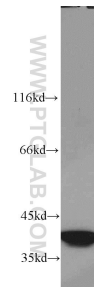
E: proteintech@ptglab.com  
W: ptglab.com

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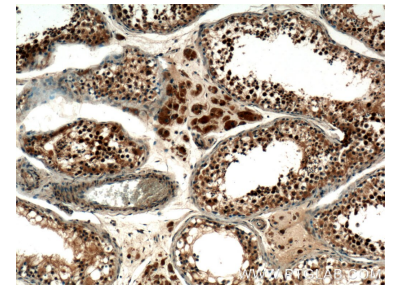
## Ausgewählte Validierungsdaten



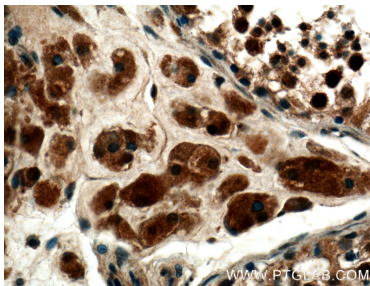
WB result of SMN antibody (22329-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SMN transfected HEK-293 cells.



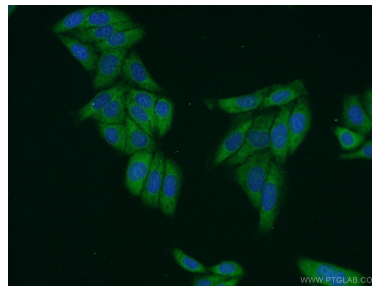
K-562 cells were subjected to SDS PAGE followed by western blot with 22329-1-AP (SMN antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 22329-1-AP (SMN antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 22329-1-AP (SMN antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 22329-1-AP (SMN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).