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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SMN2 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00006607-B01P

規格 : [50 ug]

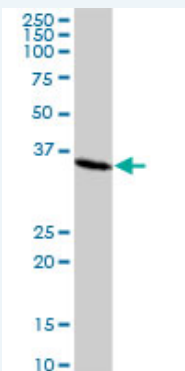
[List All](#)

Specification

Product Description:	Mouse polyclonal antibody raised against a full-length human SMN2 protein.
Immunogen:	SMN2 (NP_075013.1, 1 a.a. ~ 282 a.a) full-length human protein.
Sequence:	MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDALIKAYDKAVA SFKHALKNGDICETSGKPKTTPKRKPAKKNKSQKNTAASLQQWKVGDK CSAWSEDCGIYPATIASIDFKRETCVVVYTYGYNREEQNLSDLLSPICEV ANNIEQNAQENENESQVSTDESENSRSPGNKSDNIKPKSAPWNSFLPPPP PMPGPRLGPGKPLKFNPPPPPPPPHLLSCWLPPFPSPGPIIPIPPPP ICPDSLDDADALGSMLISWYMSGYHTGYMEMLA
Host:	Mouse
Reactivity:	Human
Quality Control Testing:	Antibody reactive against mammalian transfected lysate.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Datasheet:	Download

Applications

Western Blot (Tissue lysate)



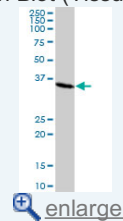
SMN2 MaxPab polyclonal antibody. Western Blot analysis of SMN2 expression in human kidney.

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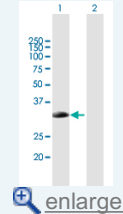
Western Blot (Transfected lysate)

Application Image

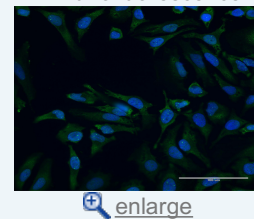
Western Blot (Tissue lysate)

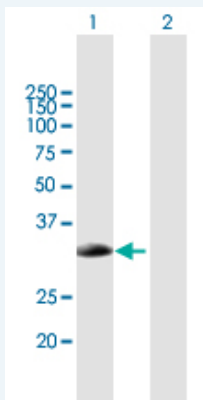


Western Blot (Transfected lysate)



Immunofluorescence



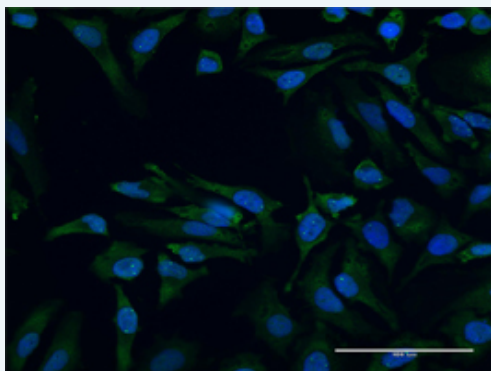



Western Blot analysis of SMN2 expression in transfected 293T cell line (H00006607-T01) by SMN2 MaxPab polyclonal antibody.

Lane 1: SMN2 transfected lysate(31.02 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to SMN2 on HeLa cell. [antibody concentration 10 ug/ml]

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Gene Information

Entrez GeneID: [6607](#)

GeneBank [NM_022875.1](#)
Accession#:

Protein [NP_075013.1](#)
Accession#:

Gene Name: SMN2

Gene Alias: BCD541,C-BCD541,FLJ76644,MGC20996,MGC5208,SMNC

Gene survival of motor neuron 2, centromeric
Description:

Omim ID: [601627](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. The telomeric and centromeric copies of this gene are nearly identical and encode the same protein. While mutations in the telomeric copy are associated with spinal muscular atrophy, mutations in this gene, the

centromeric copy, do not lead to disease. This gene may be a modifier of disease caused by mutation in the telomeric copy. The critical sequence difference between the two genes is a single nucleotide in exon 7, which is thought to be an exon splice enhancer. Note that the nine exons of both the telomeric and centromeric copies are designated historically as exon 1, 2a, 2b, and 3-8. It is thought that gene conversion events may involve the two genes, leading to varying copy numbers of each gene. The full length protein encoded by this gene localizes to both the cytoplasm and the nucleus. Within the nucleus, the protein localizes to subnuclear bodies called gems which are found near coiled bodies containing high concentrations of small ribonucleoproteins (snRNPs). This protein forms heteromeric complexes with proteins such as SIP1 and GEMIN4, and also interacts with several proteins known to be involved in the biogenesis of snRNPs, such as hnRNP U protein and the small nucleolar RNA binding protein. Four transcript variants encoding distinct isoforms have been described. [provided by RefSeq

Other Designations: OTTHUMP00000125236,OTTHUMP00000125237,gemin 1

Related Disease

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