SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SMN2 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00006607-B01 **規格 :** [50 uL]

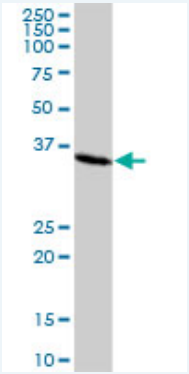
List All

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:	MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDDTALIKAYDKAVA SFKHALKNGDICETSGKPKTTPKRKPAKKNKSQKKNTAASLQQWKVGDK CSAIWSEDGCIYPATIASIDFKRETCVVVYTGYGNREEQNLSDLLSPICEV ANNIEQNAQENENESQVSTDESENSRSPGNKSDNIKPKSAPWNSFLPPPP PMPGPRLGPGKPGLKFNGPPPPPPPPPPHLLSCWLPPFPSGPPIIPPPPP ICPDSLDDADALGSMLISWYMSGYHTGYYMEMLA
Host:	Mouse
Reactivity:	Human
Quality Control Testing:	Antibody reactive against mammalian transfected lysate.
Storage Buffer:	No additive
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note:	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.
MSDS:	Download
Datasheet:	Download

Applications

Western Blot (Tissue lysate)



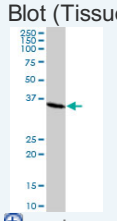
SMN2 MaxPab polyclonal antibody. Western Blot analysis of SMN2 expression in human kidney.

Protocol Download

Western Blot (Transfected lysate)

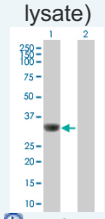
Application Image

Western Blot (Tissue lysate)



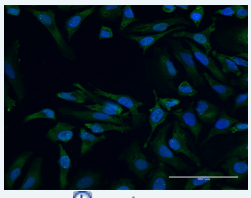
enlarge

Western Blot (Transfected lysate)

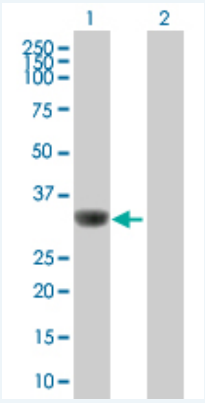


enlarge

Immunofluorescence



enlarge

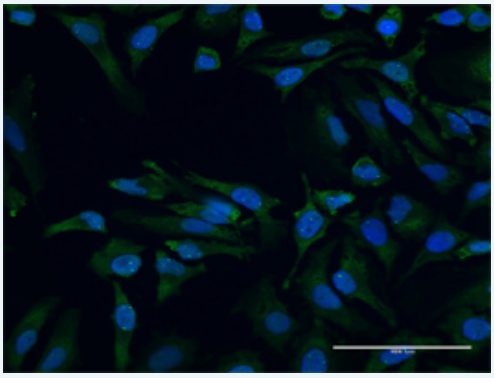


Western Blot analysis of SMN2 expression in transfected 293T cell line (H00006607-T01) by SMN2 MaxPab polyclonal antibody.

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]

Protocol Download

Gene Information

Entrez GeneID:	6607
GeneBank Accession#:	NM_022875
Protein Accession#:	NP_075013.1
Gene Name:	SMN2
Gene Alias:	BCD541,C-BCD541,FLJ76644,MGC20996,MGC5208,SMNC
Gene Description:	survival of motor neuron 2, centromeric
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

Amyotrophic Lateral Sclerosis Amyotrophic lateral sclerosis Disease Progression Genetic Predisposition to Disease Muscular Atrophy, Spinal Nerve Degeneration Spinal Muscular Atrophies of Childhood Spinal muscular atrophy