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Produktinformation

- Forschungsprodukte & Biochemikalien
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- 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 (Human) IP-WB Antibody Pair

Catalog # : H00006607-PW2 **規格 :** [1 Set]

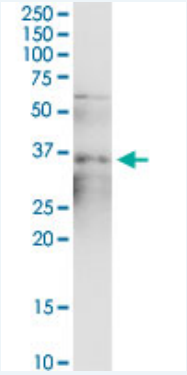
List All

Specification

Product Description: This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.

Reactivity: Human

Quality Control Testing: Immunoprecipitation-Western Blot (IP-WB)



Immunoprecipitation of SMN2 transfected lysate using rabbit polyclonal anti-SMN2 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-SMN2.

Supplied Product: Antibody pair set content:
1. Antibody pair for IP: rabbit polyclonal anti-SMN2 (300 ul)
2. Antibody pair for WB: mouse purified polyclonal anti-SMN2 (50 ug)

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

Immunoprecipitation-Western Blot

Protocol Download

Gene Information

Entrez GeneID: 6607

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.

Application Image

Immunoprecipitation-Western Blot

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