10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SMNDC1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SMNDC1.
Catalog # AT3958a

Specification

SMNDC1 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC**
Primary Accession	O75940
Other Accession	BC011234
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**26711**

SMNDC1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10285

Other Names
Survival of motor neuron-related-splicing factor 30, 30 kDa splicing factor SMNrp, SMN-related protein, Survival motor neuron domain-containing protein 1, SMNDC1, SMNR, SPF30

Target/Specificity
SMNDC1 (AAH11234, 1 a.a. ~ 238 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SMNDC1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SMNDC1 Antibody (monoclonal) (M01) - Protocols

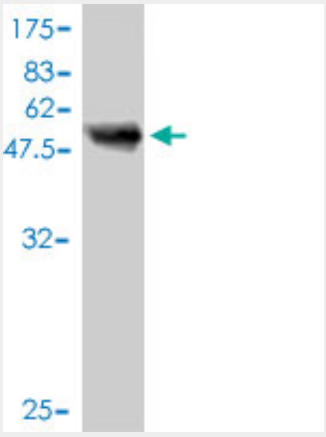
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

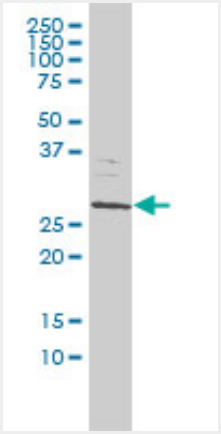
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

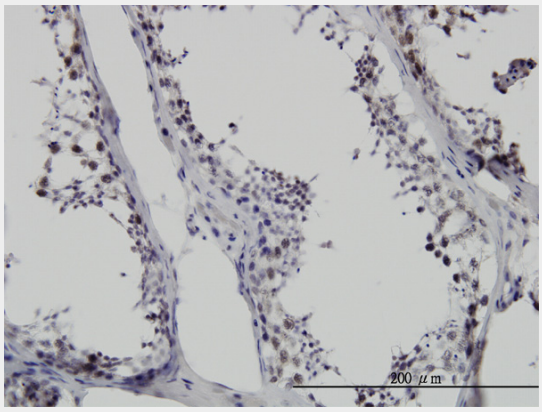
SMNDC1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (51.92 KDa) .



SMNDC1 monoclonal antibody (M01), clone 2B9 Western Blot analysis of SMNDC1 expression in Jurkat ((Cat # AT3958a)



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Immunoperoxidase of monoclonal antibody to SMNDC1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 6 ug/ml]

SMNDC1 Antibody (monoclonal) (M01) - Background

This gene is a paralog of SMN1 gene, which encodes the survival motor neuron protein, mutations in which are cause of autosomal recessive proximal spinal muscular atrophy. The protein encoded by this gene is a nuclear protein that has been identified as a constituent of the spliceosome complex. This gene is differentially expressed, with abundant levels in skeletal muscle, and may share similar cellular function as the SMN1 gene.

SMNDC1 Antibody (monoclonal) (M01) - References

Splicing factor Spf30 assists exosome-mediated gene silencing in fission yeast. Bernard P, et al. Mol Cell Biol, 2010 Mar. PMID 20028739.Splicing factor SPF30 bridges an interaction between the prespliceosome protein U2AF35 and tri-small nuclear ribonucleoprotein protein hPrp3. Little JT, et al. J Biol Chem, 2008 Mar 28. PMID 18211889.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. Am J Hum Genet, 2006 Jan. PMID 16385451.