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SMNDC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9372a

Product Information

Application	WB, FC, E
Primary Accession	O75940
Other Accession	Q4QQU6, Q8BGT7, Q3T045
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17335
Calculated MW	26711
Antigen Region	11-41

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	This SMNDC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-41 amino acids from the N-terminal region of human SMNDC1.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SMNDC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SMNDC1
Synonyms	SMNR, SPF30

Function	Involved in spliceosome assembly.
Cellular Location	Nucleus speckle. Nucleus, Cajal body. Note=Detected in nuclear speckles containing snRNP and in Cajal (coiled) bodies
Tissue Location	Detected at intermediate levels in skeletal muscle, and at low levels in heart and pancreas.

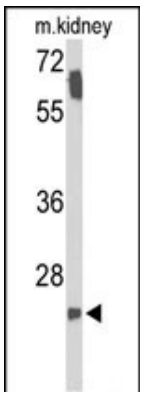
Background

This protein 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 protein is differentially expressed, with abundant levels in skeletal muscle, and may share similar cellular function as the SMN1 gene.

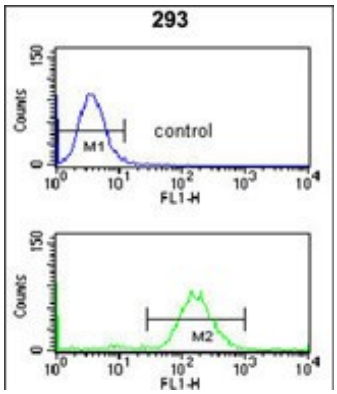
References

Little,J.T. J. Biol. Chem. 283 (13), 8145-8152 (2008)
Ewing,R.M., Mol. Syst. Biol. 3, 89 (2007)
Beausoleil,S.A., Nat. Biotechnol. 24 (10), 1285-1292 (2006)

Images



Western blot analysis of SMNDC1 Antibody (N-term) (Cat. #AP9372a) in mouse kidney tissue lysates (35ug/lane). SMNDC1 (arrow) was detected using the purified Pab.



SMNDC1 Antibody (N-term) (Cat. #AP9372a) flow cytometry analysis of 293 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.