

Datasheet for ABIN7126174 **anti-SMNDC1 antibody**

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Overview

Quantity:	100 µg
Target:	SMNDC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMNDC1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant full-length human SMNDC1 protein
Isotype:	IgG2b
Specificity:	<p>SPF30 (survival of motor neuron-related-splicing factor 30), also known as SMNDC1 (survival motor neuron domain containing 1) or SMNR (SMN-related protein), is an essential splicing factor required for spliceosome assembly that belongs to the SMN family. It contains one Tudor domain with significant similarity to SMN (survival motor neuron) and is expressed in skeletal muscle, pancreas and heart, localizing to Cajal bodies and nuclear speckles. SPF30 plays an important role in spliceosome assembly and directly interacts with five U snRNPs. The loss of SPF30 causes spliceosome assembly to arrest at prespliceosomes (A complex). This supports a function for SPF30 in mediating the incorporation/recruitment of U4/U5/U6 tri-snRNP to the prespliceosome. In addition, the overexpression of SPF30 can lead to apoptosis.</p>
Cross-Reactivity (Details):	Human.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	SMNDC1
Alternative Name:	SMNDC1 (SMNDC1 Products)
Background:	30 kDa splicing factor SMNrp, MGC106917, MGC112663, SMN related protein, SMNR, SPF30, Splicing factor 30, survival of motor neuron-related, Survival motor neuron domain containing protein 1, Survival of motor neuron related splicing factor 30,SMNDC1 Cellular localisation: Nucleus. Detected in nuclear speckles containing snRNP and in Cajal (coiled) bodies.
Molecular Weight:	30kDa
Gene ID:	10285, 632093
UniProt:	O75940

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa or HepG2 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months