

Mouse anti-Human SMNDC1 Monoclonal Antibody | anti-SMNDC1 antibody

SMNDC1 Mouse Monoclonal Antibody [Clone PCRP-SMNDC1-1A9]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215518	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay

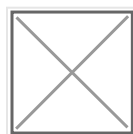
PRODUCT SYNONYMS

SMNDC1; Monoclonal Antibody; SMNDC1 Mouse Monoclonal Antibody [Clone PCRP-SMNDC1-1A9]; 30kDa 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; anti-SMNDC1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-SMNDC1-1A9
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SMNDC1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human SMNDC1 protein
Cellular Localization	Nucleus, Detected in nuclear speckles containing snRNP and in Cajal (coiled) bodies
Positive Control	HeLa or HepG2 cells.
Hu-chromosome Location	10q25.2
Unigene	632093
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells. SMNDC1 Mouse Monoclonal Antibody (PCRP-SMNDC1-1A9) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-SMNDC1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37087924
NCBI GeneID	10285
UniProt Accession #	O75940; Q5T3K6; B2RA27; D3DRB1
Molecular Weight	238
NCBI Official Full Name	Survival of motor neuron-related-splicing factor 30
NCBI Official Synonym Full Names	survival motor neuron domain containing 1
NCBI Official Symbol	SMNDC1
NCBI Official Synonym Symbols	SMNR; SPF30; TDRD16C
NCBI Protein Information	survival of motor neuron-related-splicing factor 30; SMN-related protein; tudor domain containing 16C; 30 kDa splicing factor SMNrp; survival motor neuron domain-containing protein 1; splicing factor 30, survival of motor neuron-related
UniProt Protein Name	Survival of motor neuron-related-splicing factor 30
UniProt Gene Name	SMNDC1
UniProt Synonym Gene Names	SMNR; SPF30
UniProt Entry Name	SPF30_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/smn/dc1-antibody-clone-pcrp-smn/dc1-1a9-immunofluorescence-flow-cytometry-elisa/215518>