

For Research Use Only

SMNDC1 Monoclonal antibody

Catalog Number: 68344-1-Ig



Basic Information

Catalog Number: 68344-1-Ig	GenBank Accession Number: BC011234	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10285	CloneNo.: 1B10C2
Source: Mouse	UNIPROT ID: O75940	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: survival motor neuron domain containing 1	
Immunogen Catalog Number: AG33140	Calculated MW: 238 aa, 27 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, FC, ELISA	Positive Controls: WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, Daudi cells
Species Specificity: Human	

Background Information

Survival motor neuron domain-containing protein 1 (SMNDC1), also known as survival of motor neuron-related-splicing factor 30 (SPF30) or SMN-related protein (SMNR), is a constituent of the spliceosome complex that plays an essential role in spliceosome assembly by recruiting U4/U5/U6 tri-snRNP to the pre-spliceosomal complex (PMID: 9817934; 11331595; 30904945). Both SMNDC1 and SMN1 contain a highly conserved central Tudor domain which functions as a protein-protein interaction surface and mediates binding to the spliceosomal Sm proteins (PMID: 11331595).

Storage

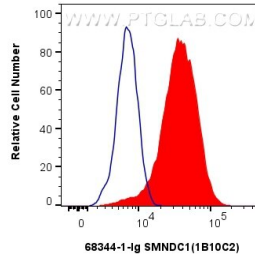
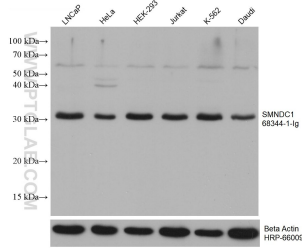
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68344-1-Ig (SMNDC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.

1×10^6 HeLa cells were intracellularly stained with 0.8 ug SMNDC1 Monoclonal antibody (68344-1-Ig, Clone: 1B10C2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.