

For Research Use Only

SMNDC1 Monoclonal antibody

Catalog Number: 68344-1-Ig **1 Publications**



Basic Information

Catalog Number: 68344-1-Ig	GenBank Accession Number: BC011234	Purification Method: Protein G purification
Size: 1000 µg/ml	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 (Intra), ELISA	Positive Controls: WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, Daudi cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Lisa B Earnest-Noble	36510010	Nat Cancer	WB

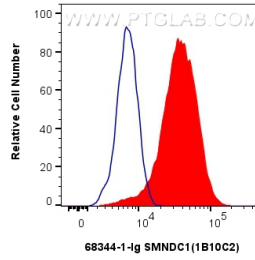
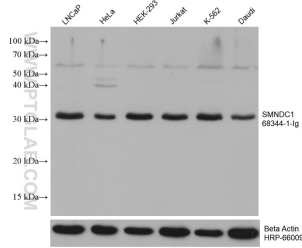
Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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 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.