

For Research Use Only

SMNDC1 Monoclonal antibody, PBS Only



Catalog Number: 68344-1-PBS

Basic Information

| | | |
|---|--|---|
| Catalog Number: 68344-1-PBS | GenBank Accession Number: BC011234 | Purification Method: Protein G purification |
| Size: 1mg/ml | GeneID (NCBI): 10285 | CloneNo.: 1B10C2 |
| Source: Mouse | UNIPROT ID: O75940 | |
| 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:
Indirect ELISA, WB

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

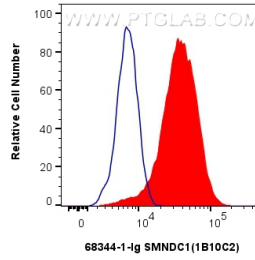
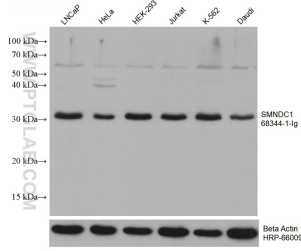
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Selected Validation Data



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. This data was developed using the same antibody clone with 68344-1-PBS in a different storage buffer formulation.

1x10⁶ 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. This data was developed using the same antibody clone with 68344-1-PBS in a different storage buffer