

For Research Use Only

NXT1 Monoclonal antibody

Catalog Number: 67680-1-Ig **1 Publications**



Basic Information

Catalog Number: 67680-1-Ig	GenBank Accession Number: BC000759	Purification Method: Protein A purification
Size: 1600 µg/ml	GeneID (NCBI): 29107	CloneNo.: 2C10A2
Source: Mouse	UNIPROT ID: Q9UJK6	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG2a	Full Name: NTF2-like export factor 1	
Immunogen Catalog Number: AG30039	Calculated MW: 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : A549 cells, HEK-293 cells, HeLa cells, HepG2 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells
Species Specificity: Human, mouse, rat	IF/ICC : HeLa cells,
Cited Species: human	

Background Information

NXT1 is located in the nuclear envelope and is homologous to nuclear transport factor 2. NXT1 functions as a nuclear export factor in both RAN (Ras-related nuclear protein)- and CRM1 (required for chromosome region maintenance)-dependent pathways. It is found to stimulate the export of U1 snRNA in RAN- and CRM1-dependent pathways and the export of tRNA and mRNA in a CRM1-independent pathway. NXT1 also heterodimerizes with Tap protein and regulates the ability of Tap protein to mediate nuclear mRNA export.

Notable Publications

Author	Pubmed ID	Journal	Application
Mio Iwasaki	35573189	iScience	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:

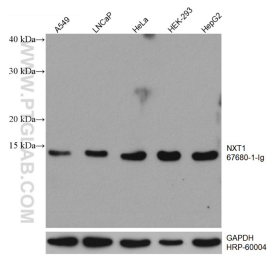
T: 4006900926

E: Proteintech-CN@ptglab.com

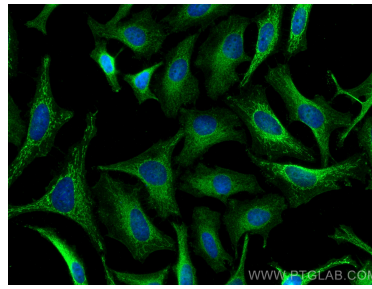
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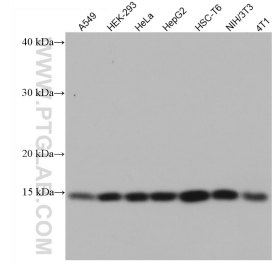
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67680-1-Ig (NXT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NXT1 antibody (67680-1-Ig, Clone: 2C10A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67680-1-Ig (NXT1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.