

For Research Use Only

# NXT1 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 67680-1-Ig	<b>GenBank Accession Number:</b> BC000759	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29107	<b>CloneNo.:</b> 2C10A2
<b>Source:</b> Mouse	<b>Full Name:</b> NTF2-like export factor 1	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IF 1:200-1:800
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 15 kDa	
<b>Immunogen Catalog Number:</b> AG30039	<b>Observed MW:</b> 15 kDa	

## Applications

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

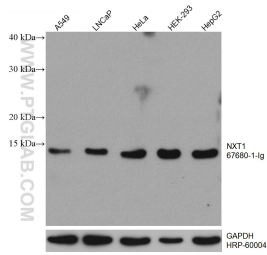
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

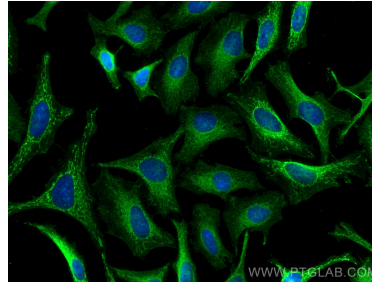
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
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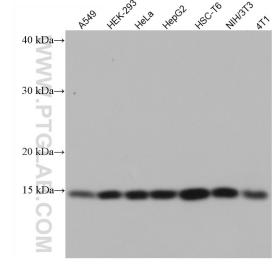
## Selected Validation Data



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.