

For Research Use Only

# Calnexin Recombinant antibody

Catalog Number: 81938-1-RR **4 Publications**



## Basic Information

<b>Catalog Number:</b> 81938-1-RR	<b>GenBank Accession Number:</b> BC003552	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 821	<b>CloneNo.:</b> 3K18
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P27824	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> calnexin	
<b>Immunogen Catalog Number:</b> AG0697	<b>Calculated MW:</b> 90 kDa <b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> <b>WB :</b> HEK-293 cells, HeLa cells, HepG2 cells, MCF-7 cells, K-562 cells, NIH/3T3 cells, C6 cells <b>IHC :</b> human cervical cancer tissue, <b>IF/ICC :</b> HepG2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Calnexin is a molecular chaperone that resides in the endoplasmic reticulum (ER) and participates in the folding and assembly of newly synthesized proteins. Calnexin is highly abundant in ER and is frequently used as an ER marker.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian Zhang	39862429	STAR Protoc	WB
Ming Zhou	39831459	Cell Biol Int	WB
Xiao Lin	39420345	Cardiovasc Diabetol	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

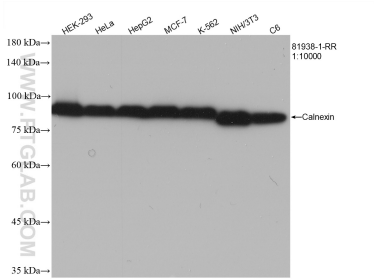
T: 4006900926

E: Proteintech-CN@ptglab.com

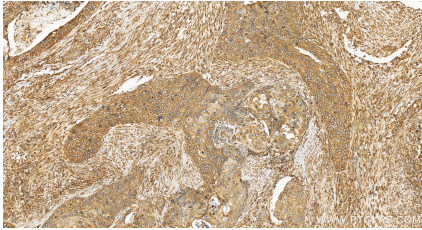
W: ptgcn.com

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

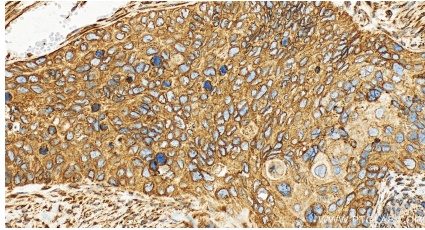
Selected Validation Data



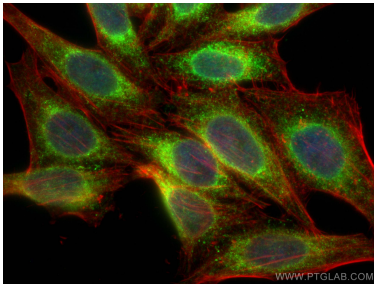
Various lysates were subjected to SDS PAGE followed by western blot with 81938-1-RR (Calnexin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



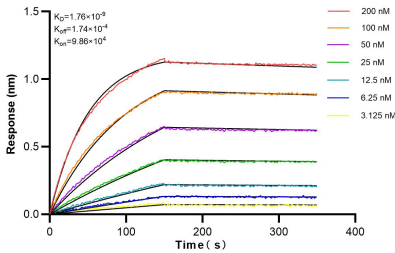
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 81938-1-RR (Calnexin antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 81938-1-RR (Calnexin antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Calnexin antibody (81938-1-RR, Clone: 3K18 ) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 81938-1-RR against Human Calnexin were performed. The affinity constant is 1.76 nM.