

## ARG64980 anti-Calnexin antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Calnexin
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog, Pig
Tested Application	ICC/IF, IHC-P, WB
Specificity	Reported variants represent identical protein (NP_001019820.1, NP_001737.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Calnexin
Species	Human
Immunogen	C-SKTPELNLDQFHDKT
Conjugation	Un-conjugated
Alternate Names	P90; CNX; p90; Major histocompatibility complex class I antigen-binding protein p88; Calnexin; IP90

### Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	IHC-P	5 µg/ml
	WB	0.1 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human cerebellum, Human colorectal cancer, CaCo-2 and NIH/3T3	
Observed Size	90 - 100 kDa	

### Properties

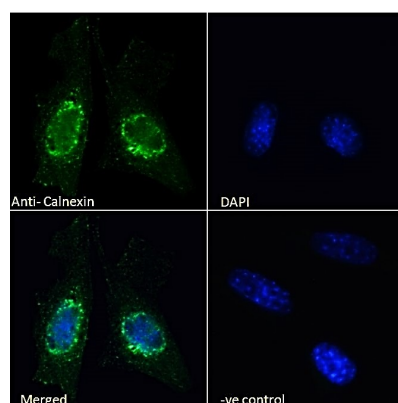
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide

Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

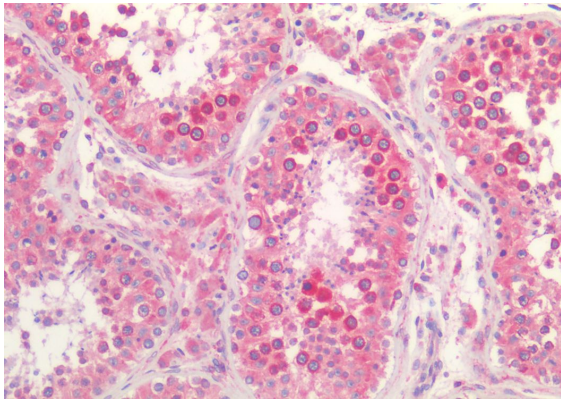
Database links	<a href="#">GeneID: 12330 Mouse</a> <a href="#">GeneID: 821 Human</a> <a href="#">Swiss-port # P27824 Human</a> <a href="#">Swiss-port # P35564 Mouse</a>
Background	This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]
Research Area	Controls and Markers antibody; Neuroscience antibody
Calculated Mw	68 kDa
PTM	<p>Phosphorylated at Ser-564 by MAPK3/ERK1. phosphorylation by MAPK3/ERK1 increases its association with ribosomes (By similarity).</p> <p>Palmitoylation by DHHC6 leads to the preferential localization to the perinuclear rough ER. It mediates the association of calnexin with the ribosome-translocon complex (RTC) which is required for efficient folding of glycosylated proteins.</p> <p>Ubiquitinated, leading to proteasomal degradation. Probably ubiquitinated by ZNRF4.</p>

## Images



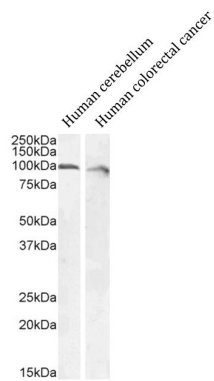
ARG64980 anti-Calnexin antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed NIH/3T3 cells permeabilized with 0.15% Triton. Cells were stained with ARG64980 anti-Calnexin antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



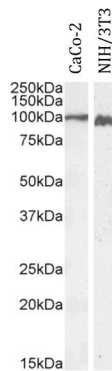
#### ARG64980 anti-Calnexin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64980 anti-Calnexin antibody at 5 µg/ml dilution followed by AP-staining.



#### ARG64980 anti-Calnexin antibody WB image

Western blot: 35 µg of Human cerebellum and Human colorectal cancer tissue lysates (in RIPA buffer) stained with ARG64980 anti-Calnexin antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.



#### ARG64980 anti-Calnexin antibody WB image

Western blot: 35 µg of CaCo-2 and NIH/3T3 cell lysates (in RIPA buffer) stained with ARG64980 anti-Calnexin antibody at 0.1 and 1 µg/ml dilution, respectively. Both lanes were incubated at RT for 1 hour.