

## Product datasheet for **TA305929**

### Calnexin (CANX) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, PEP-ELISA, WB
Recommended Dilution:	WB: 0.3-1ug/ml. IHC: 3-6ug/ml.
Reactivity:	Human, Mouse (Expected from sequence similarity: Rat, Dog, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-SKTPELNLDQFHDKT, from the internal region (near N-Terminus) of the protein sequence according to NP_001737.1.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calnexin
Database Link:	<a href="#">NP_001019820</a> <a href="#">Entrez Gene 12330 Mouse</a> <a href="#">Entrez Gene 29144 Rat</a> <a href="#">Entrez Gene 403908 Dog</a> <a href="#">Entrez Gene 821 Human</a> <a href="#">P27824</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]



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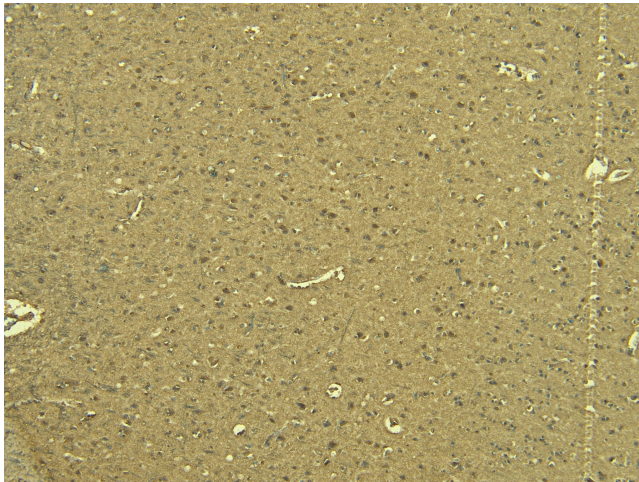
**Synonyms:** CNX; IP90; P90  
**Protein Families:** Druggable Genome, Transmembrane  
**Protein Pathways:** Antigen processing and presentation

**Product images:**

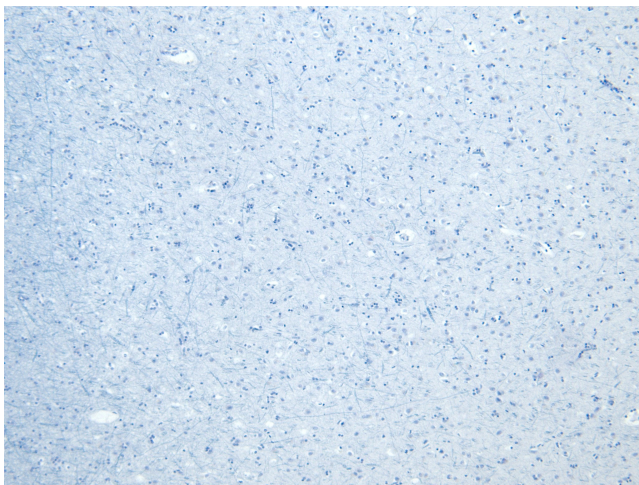

TA305929 (0.3 $\mu$ g/ml) staining of Human Cerebellum (A) and (0.5 $\mu$ g/ml) Rat Brain (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



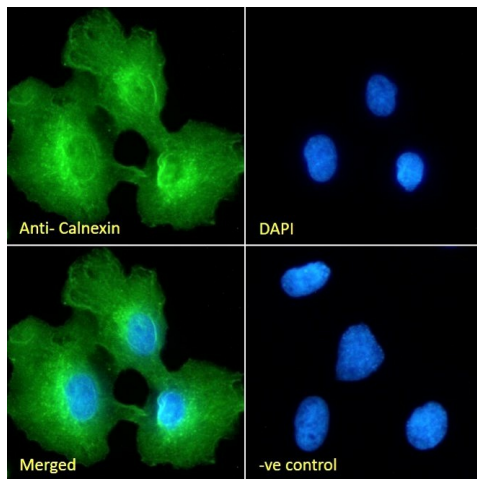
TA305929 (0.5 $\mu$ g/ml) staining of LNCaP (A) and U251 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



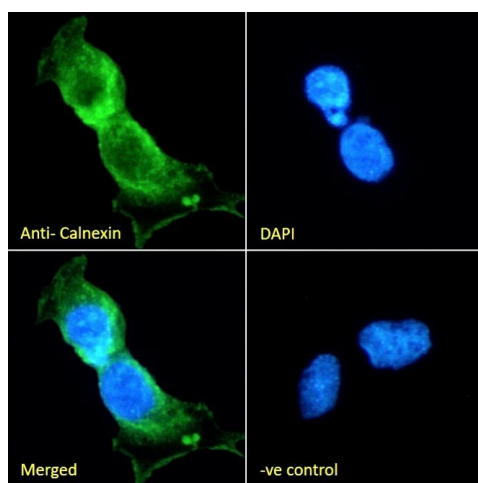
TA305929 (6µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



TA305929 Negative Control showing staining of paraffin embedded Human Cortex, with no primary antibody.



TA305929 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and cytoplasmic staining. Th



TA305929 Immunofluorescence analysis of paraformaldehyde fixed LNCaP cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing endoplasmic reticulum and membrane staining. The