

Rabbit CANX Polyclonal Antibody | anti-CANX antibody

CANX Antibody (C-Term)

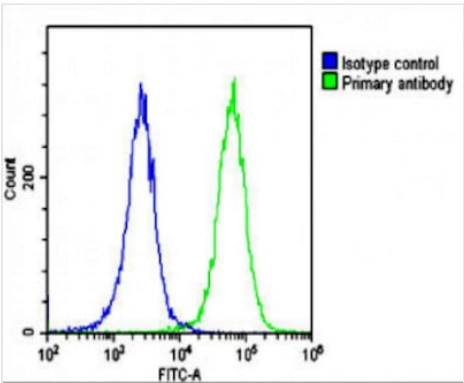
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290853	Rabbit	Human, Mouse, Rat Predicted: Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

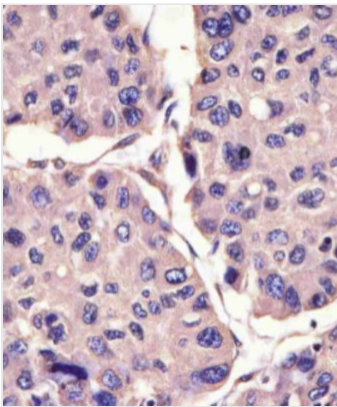
CANX; Polyclonal Antibody; CANX Antibody (C-Term); Calnexin; IP90; Major histocompatibility complex class I antigen-binding protein p88; p90; anti-CANX antibody

PRODUCT SPECIFICATIONS

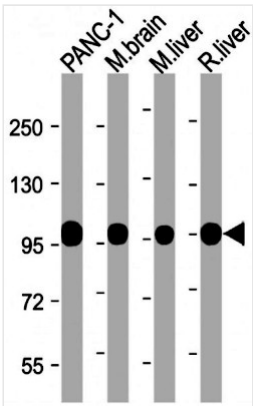
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This CANX antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 560-592 amino acids from human CANX.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	592
Applicable Applications for anti-CANX antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.
Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Endoplasmic reticulum. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:12643545, PubMed:17081065). The palmitoylated form preferentially localizes to the perinuclear rough ER (PubMed:22314232).
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Overlay histogram showing HeLa cells stained with AAA290853 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA290853, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed



IHC (Immunohistochemistry)
AAA290853 staining CANX in human hepatocarcinoma sections by Immunohistochemistry (IHC-P-paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



WB (Western Blot)
All lanes : Anti-CANX Antibody (C-Term) at 1:2000 dilution
Lane 1: PANC-1 lysate
Lane 2: Mouse brain lysate
Lane 3: Mouse liver lysate
Lane 4: Rat liver lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 68 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CANX antibody	Crown Antibodies; Primary Antibodies; Neuroscience
References	David V.,et al.J. Biol. Chem. 268:9585-9592 (1993). Tjoelker L.W.,et al.Biochemistry 33:3229-3236 (1994). Honore B.,et al.Electrophoresis 15:482-490 (1994). Hansen J.J.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases. Ota T.,et al.Nat. Genet. 36:40-45 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66933005
NCBI GeneID	821
NCBI Accession #	NP_001019820.1
NCBI GenBank Nucleotide #	NM_001024649.1
UniProt Accession #	P27824; B2R5V8; B4DGP8; B4E2T8; D3DWQ3; D6R9K3

Molecular Weight	67568
NCBI Official Full Name	calnexin
NCBI Official Synonym Full Names	calnexin
NCBI Official Symbol	CANX
NCBI Official Synonym Symbols	CNX; P90; IP90
NCBI Protein Information	calnexin
UniProt Protein Name	Calnexin
UniProt Gene Name	CANX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/canx-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290853>