

Rabbit anti-Human Calnexin Polyclonal Antibody | anti-CANX antibody

Anti-Calnexin Antibody, Rabbit Polyclonal

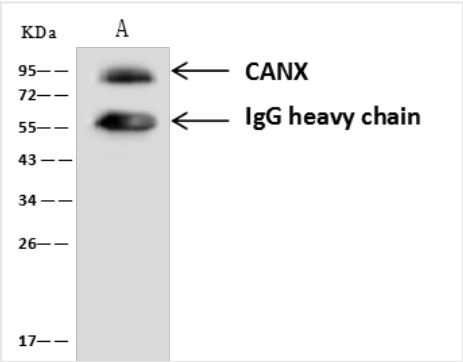
CATALOG # AAA254705	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

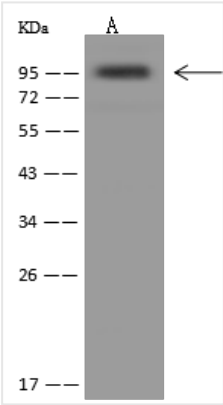
Calnexin; Polyclonal Antibody; Anti-Calnexin Antibody; Rabbit Polyclonal; Calnexin/CANX Antibody; Rabbit PAb; Antigen Affinity Purified; calnexin; Anti-CNX Antibody; Anti-IP90 Antibody; Anti-P90 Antibody; anti-CANX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Calnexin/CANX
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CANX antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human Calnexin/CANX
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human Calnexin/CANX, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
CANX was immunoprecipitated using: Lane A: 0.5 mg MCF7 Whole Cell Lysate 4 uL anti-CANX rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CANX rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 95 kDa. Observed band size: 95 kDa.



WB (Western Blot)
Anti-Calnexin rabbit polyclonal antibody at 1:500 dilution. Lane A: MCF7 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 90 kDa. Observed band size: 95 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CANX antibody	Calnexin is a calcium-binding protein that belongs to the calreticulin family. It interacts with newly synthesized glycoproteins in the endoplasmic reticulum. Calnexin seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. 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.
References	Rajagopalan S, et al. (1994) Retention of unassembled components of integral membrane proteins by Calnexin(CANX). Science. 263(5145):387-90. Lenter M, et al. (1994) The integrin chains beta 1 and alpha 6 associate with the chaperone Calnexin(CANX) prior to integrin assembly. J Biol Chem. 269(16):12263-8. Pind S, et al. (1994) Retention of unassembled components of integral membrane proteins by Calnexin(CANX). Science. 263(5145):387-90.

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; D3DWQ3
Molecular Weight	67,568 Da
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; major histocompatibility complex class I antigen-binding protein p88
UniProt Protein Name	Calnexin
UniProt Gene Name	CANX
UniProt Entry Name	CALX_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/calnexin-antibody-immunoprecipitation-western-blot-elisa/254705>