



# Anti-CANX polyclonal antibody (DPABY-738)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	C-SKTPELNLDQFHDKT
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Pr*, IHC-P, WB
<b>Cellular Localization</b>	Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Size</b>	100 µg
<b>Buffer</b>	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Aliquot and store at -24°C. Minimize freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">CANX calnexin [ Homo sapiens (human) ]</a>
Official Symbol	CANX
Synonyms	CANX; calnexin; CNX; P90; IP90; major histocompatibility complex class I antigen-binding protein p88;
Entrez Gene ID	<a href="#">821</a>
Protein Refseq	<a href="#">NP_001019820</a>
UniProt ID	<a href="#">P27824</a>
Chromosome Location	5q35
Pathway	Adaptive Immune System; Antigen Presentation: Folding, assembly and peptide loading of class I MHC; Antigen processing and presentation; Asparagine N-linked glycosylation; Assembly of Viral Components at the Budding Site; Calnexin/calreticulin cycle; Clas
Function	apolipoprotein binding; calcium ion binding; glycoprotein binding; ionotropic glutamate receptor binding; poly(A) RNA binding; protein binding; unfolded protein binding;