



# Anti-CANX monoclonal antibody, clone FQS4744(3) (DCABH-2821)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to Calnexin - ER Membrane Marker
<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>Specificity</b>	Some customers have successfully used the antibody using Rat cells in Immunofluorescence.
<b>Immunogen</b>	A synthetic peptide corresponding to residues near the C terminal of Human Calnexin - ER membrane marker.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat, Human
<b>Clone</b>	FQS4744(3)
<b>Purity</b>	Tissue culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB, IHC-P, ICC, Flow Cyt
<b>Positive Control</b>	HepG2, A431, SH-SY5Y and HeLa cell lysates, Human kidney tissue
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.20; Preservative: 0.01% Sodium azide; Constituents: 49% PBS, 50% Glycerol, 0.05% BSA
<b>Storage</b>	Store at -20°C. Stable for 12 months at -20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CANX calnexin [ Homo sapiens ]</a>
<b>Official Symbol</b>	CANX
<b>Synonyms</b>	CANX; calnexin; CNX; IP90; major histocompatibility complex class I antigen binding protein p88; P90; major histocompatibility complex class I antigen-binding protein p88; FLJ26570;
<b>Entrez Gene ID</b>	<a href="#">821</a>
<b>Protein Refseq</b>	<a href="#">NP_001019820</a>
<b>UniProt ID</b>	<a href="#">P27824</a>
<b>Chromosome Location</b>	5q35
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Assembly of Viral Components at the Budding Site, organism-specific biosystem; Calnexin/calreticulin cycle, organism-specific biosystem;
<b>Function</b>	calcium ion binding; protein binding; sugar binding; unfolded protein binding;