

# Calnexin Rabbit mAb

Catalog # AP75180

## Product Information

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Application	WB
Primary Accession	<a href="#">P27824</a>
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	67568

## Additional Information

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Gene ID	821
Other Names	CANX
Dilution	WB~~1/500-1/1000
Format	Liquid

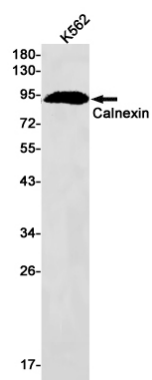
## Protein Information

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Name	CANX
Function	Calcium-binding protein that interacts with newly synthesized monoglucosylated 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. Mitochondrion membrane {ECO:0000250 UniProtKB:P24643}; Single-pass type I membrane protein. Melanosome membrane; Single-pass type I membrane protein. 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) Localizes to endoplasmic reticulum mitochondria-associated membrane (MAMs) that connect the endoplasmic reticulum and the mitochondria (By similarity). {ECO:0000250 UniProtKB:P24643, ECO:0000269 PubMed:12643545, ECO:0000269 PubMed:17081065, ECO:0000269 PubMed:22314232}

## Images

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