

ARG44635 anti-Calnexin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Calnexin
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	Calnexin
Species	Human
Conjugation	Un-conjugated
Alternate Names	CANX; Calnexin; IP90; P90; Major Histocompatibility Complex Class I Antigen-Binding Protein P88; CNX; Epididymis Secretory Sperm Binding Protein

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5-5 µg/mL
	IP	10 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

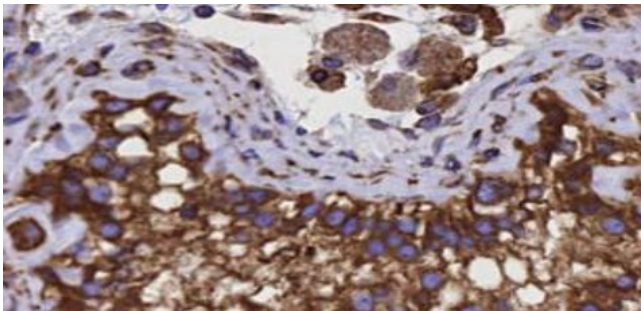
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

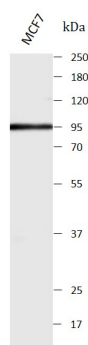
Gene Symbol	CANX
Gene Full Name	Calnexin
Background	This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jun 2018]
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. [UniProt]
Calculated Mw	68 kDa
PTM	Acetylation, Disulfide bond, Lipoprotein, Palmitate, Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Endoplasmic reticulum, Membrane, Mitochondrion. [UniProt]

Images



ARG44635 anti-Calnexin antibody IHC-P image

Immunohistochemistry: Human Testis stained with ARG44635 anti-Calnexin antibody at 5 µg/mL dilution.



ARG44635 anti-Calnexin antibody WB image

Western blot: MCF7 stained with ARG44635 anti-Calnexin antibody at 1 µg/mL dilution.

ARG44635 anti-Calnexin antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2.5 μ g of ARG44635 anti-Calnexin antibody.

