

Calnexin Monoclonal Antibody

OPM16285YP

Reactivity	H,M,R	Storage	-20°C, Avoid freeze/ thaw cycles
Source	Mouse	Applications	WB
Isotype	IgG	Concentration	1mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Calnexin. AA range:543-592.
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms	CANX; Calnexin; IP90; Major histocompatibility complex class I antigen-binding protein p88; p90.

Product Information

Observed MW	90kD
Dilution	WB:1/500-1/2000
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

Functions

Function: 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, online information: Calnexin entry, similarity: Belongs to the calreticulin family., subcellular location: Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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 the same protein have been described.

Research Use

For research use only, not for use in diagnostic procedures.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow; Bv- Bovine; Ov-Ovine; B-Globfish; Ct- Cat.

Please contact Origin Diagnostics and Research for further assistance

www.originlab.in

info@originlab.in

+91-7736237778