

Product datasheet

Anti-Calnexin - ER membrane marker antibody - ER Marker ab13504

★★★★☆ 8 Abreviews 16 References 5 Images

Overview

Product name	Anti-Calnexin - ER membrane marker antibody - ER Marker
Description	Rabbit polyclonal to Calnexin - ER membrane marker - ER Marker
Host species	Rabbit
Specificity	Weak reactivity with Chicken, Fruitfly (<i>Drosophila melanogaster</i>) and <i>Xenopus laevis</i> .
Tested applications	Suitable for: IHC-Fr, IHC-P, ICC/IF, IHC-FoFr, WB, IP, Flow Cyt, ICC
Species reactivity	Reacts with: Mouse, Rat, Sheep, Rabbit, Guinea pig, Hamster, Cow, Dog, Human, Pig, Monkey, Quail
Immunogen	Synthetic peptide: (C)EEDEILNRSPNRKPRRE conjugated to KLH, corresponding to C terminal amino acids 575-592 of Dog Calnexin. This sequence is identical to mouse, human and rat calnexin over these residues. Run BLAST with Run BLAST with
Positive control	Heat Shocked HeLa Cell Lysate.

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab13504** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		
IHC-P		
ICC/IF	★★★★☆	
IHC-FoFr		
WB	★★★★☆	
IP		
Flow Cyt		
ICC		

Application notes

Flow Cyt: 1/100.
 ICC: 1/200.
 ICC/IF: Use at an assay dependent dilution.
 IHC-P: Use at an assay dependent dilution.
 IHC-Fr: Use at an assay dependent dilution.
 IHC-FoFr: Use at an assay dependent dilution (PMID 18621691).
 IP: 1/100.
 WB: 1/2000. Detects a band of approximately 90 kDa (predicted molecular weight: 90 kDa).

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

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.

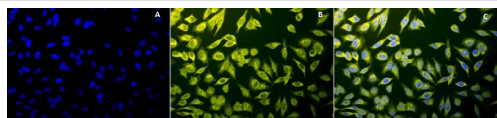
Sequence similarities

Belongs to the calreticulin family.

Cellular localization

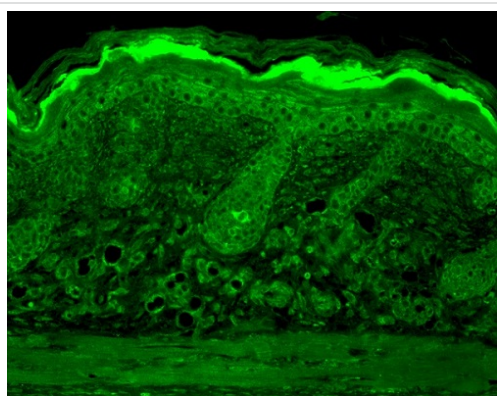
Endoplasmic reticulum membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



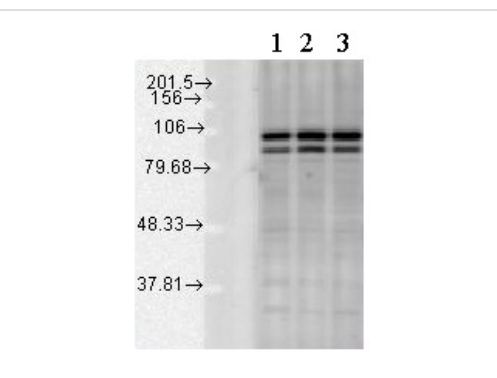
Immunocytochemistry/ Immunofluorescence - Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504)

Immunocytochemistry/Immunofluorescence analysis using ab13504 at 1/80 for 12 hours at 4°C in Heat Shocked HeLa Cells. Fixed 2% Formaldehyde for 20 min at RT. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1/200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1/40000 for 2 hours at RT. (A) DAPI (blue) nuclear stain. (B) Anti-Calnexin-CT Antibody. (C) Composite. Heat Shocked at 42°C for 1h.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504)

Immunohistochemistry analysis using ab13504 at 1/100 for 1 hour at RT in mouse backskin. Fixed by Bouin's Fixative Solution. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1/50 for 1 hour at RT.

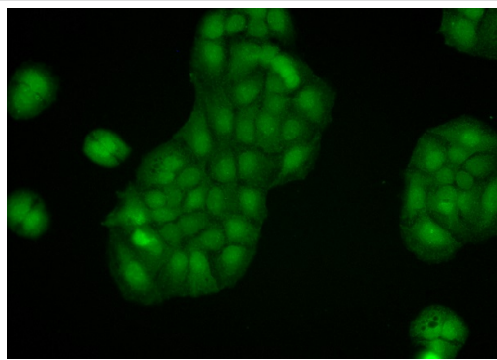


Western blot - Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504)

All lanes : Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504) at 1/2000 dilution

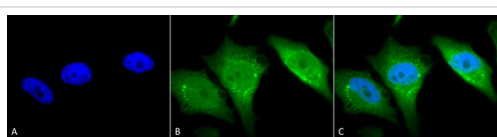
All lanes : Mixture of rat tissue lysates

Predicted band size: 90 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504)

Immunocytochemistry/Immunofluorescence analysis using ab13504 at 1/100 for 12 hours at 4°C in HaCaT cells. Fixed by Cold 100% methanol at -20C for 10 minutes. Secondary Antibody: FITC Goat Anti-Rabbit at 1/50 for 1-2 hours at RT in dark. /



Immunocytochemistry/ Immunofluorescence - Anti-Calnexin - ER membrane marker antibody - ER Marker (ab13504)

Immunocytochemistry/Immunofluorescence analysis using ab13504 at 1/80 for 12 hours at 4°C in Heat Shocked HeLa Cells. Fixed by 2% Formaldehyde for 20 min at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1/200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Heat Shocked at 42°C for 1h.

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