

Product datasheet

Anti-Calnexin antibody [CANX/1541] - N-terminal ab218337

[5 Images](#)

Overview

Product name	Anti-Calnexin antibody [CANX/1541] - N-terminal
Description	Mouse monoclonal [CANX/1541] to Calnexin - N-terminal
Host species	Mouse
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Does not react with: Rat
Immunogen	Recombinant fragment within Human Calnexin (N terminal). The exact sequence is proprietary. Database link: P27824
Positive control	IHC-P: Human renal cell carcinoma and Human small intestinal carcinoma tissues; WB: HeLa and MCF7 cell lysates. Human kidney tissue lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	CANX/1541

Isotype	IgG2b
Light chain type	kappa

Applications

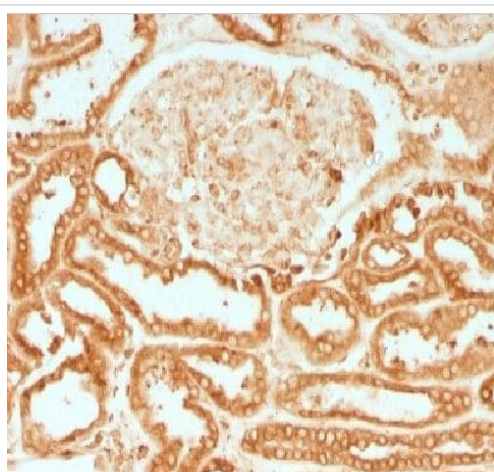
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab218337 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 68 kDa.

Target

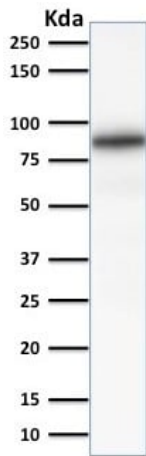
Function	Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by 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



Immunohistochemical analysis of formalin-fixed and paraffin-embedded Human renal cell carcinoma tissue labeling Calnexin with ab218337 at 2 µg/ml dilution, followed by conjugation to the secondary antibody.

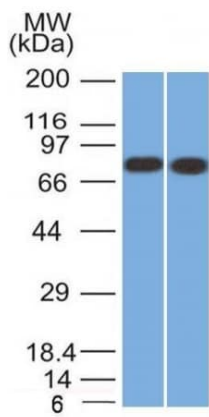
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calnexin antibody
[CANX/1541] - N-terminal (ab218337)



Western blot - Anti-Calnexin antibody [CANX/1541] - N-terminal (ab218337)

Anti-Calnexin antibody [CANX/1541] - N-terminal (ab218337) at 2 $\mu\text{g/ml}$ + Human kidney tissue lysate

Predicted band size: 68 kDa



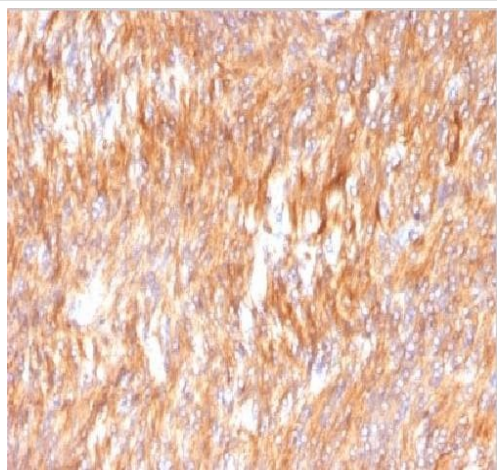
Western blot - Anti-Calnexin antibody [CANX/1541] - N-terminal (ab218337)

All lanes : Anti-Calnexin antibody [CANX/1541] - N-terminal (ab218337) at 2 $\mu\text{g/ml}$

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

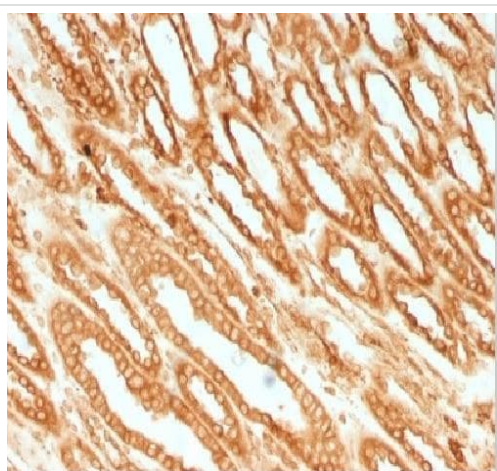
Lane 2 : MCF7 (human breast adenocarcinoma cell line) whole cell lysate

Predicted band size: 68 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calnexin antibody
[CANX1541] - N-terminal (ab218337)

Immunohistochemical analysis of formalin-fixed and paraffin-embedded Human small intestinal carcinoma tissue labeling Calnexin with ab218337 at 2 µg/ml dilution, followed by conjugation to the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calnexin antibody
[CANX1541] - N-terminal (ab218337)

Immunohistochemical analysis of formalin-fixed and paraffin-embedded Human renal cell carcinoma tissue labeling Calnexin with ab218337 at 2 µg/ml dilution, followed by conjugation to the secondary antibody.

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