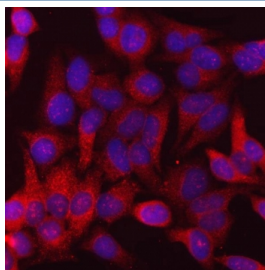


CANX Antibody / Calnexin [clone 8D10B3] (RQ7262)

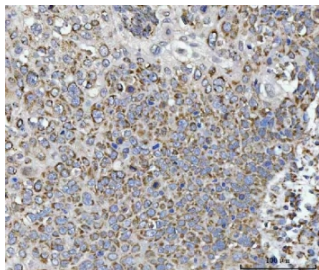
Catalog No.	Formulation	Size
RQ7262	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

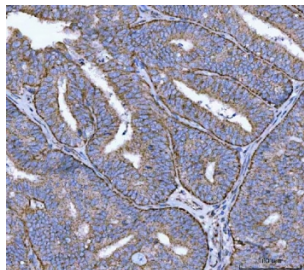
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	8D10B3
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P27824
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This CANX antibody is available for research use only.



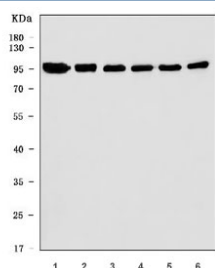
Immunofluorescent staining of FFPE human HeLa cells with CANX antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



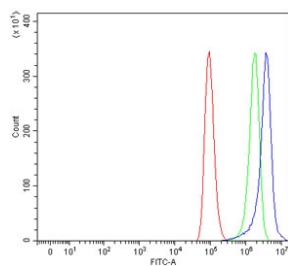
IHC staining of FFPE human lung cancer tissue with CANX antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



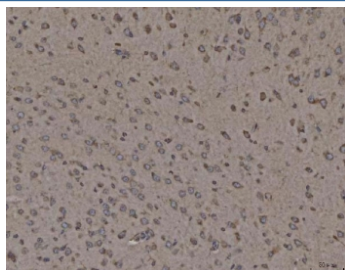
IHC staining of FFPE human endometrial adenocarcinoma tissue with CANX antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Jurkat, 2) human placenta, 3) rat brain, 4) rat liver, 5) mouse brain and 6) mouse liver tissue lysate with CANX antibody. Predicted molecular weight ~68 kDa but routinely observed at ~90 kDa.



Flow cytometry testing of human A549 cells with CANX antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CANX antibody.



IHC staining of FFPE mouse brain tissue with CANX antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with CANX antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Calnexin, also called CANX and CNX, is a 67 kDa integral protein of the endoplasmic reticulum. 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.

Application Notes

Optimal dilution of the CANX antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E68-R582) was used as the immunogen for the CANX antibody.

Storage

After reconstitution, the CANX antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.