Product datasheet

Anti-Calnexin/CANX Antibody (Clone#HOE-3)

Catalog Number: *BM4675*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Calnexin/CANX Antibody (Clone#HOE-3)
Gene Name	CANX
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB, ICC/IF, IHC, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Calnexin
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	97 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 Flow Cytometry (FCM): 1:20

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Calnexin (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.

Selected Validation Data

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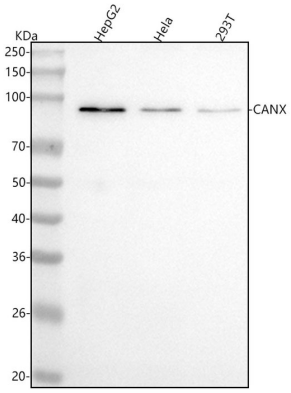
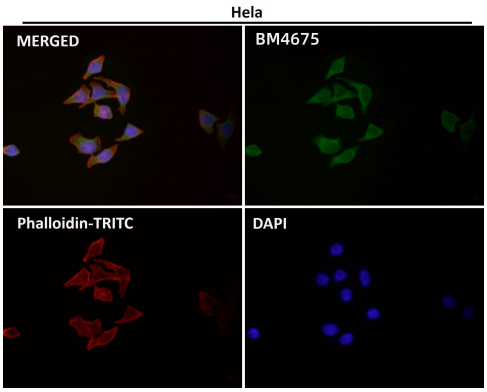


Western blot analysis of anti-Calnexin/CANX antibody (BM4675). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human 293T whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Calnexin/CANX antigen affinity purified monoclonal antibody (BM4675) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Calnexin/CANX at approximately 97 kDa. The expected band size for Calnexin/CANX is at 68 kDa.



Immunofluorescent analysis using the Antibody.