BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CANX Antibody (C-Term)

Catalog Number: M03372

About CANX

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. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor- mediated endocytosis at the synapse.

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Overview

Product Name	Anti-CANX Antibody (C-Term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CANX Antibody (C-Term) (Catalog # M03372). Tested in WB, Flow Cytometry, IHC-P application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P27824

Technical Details

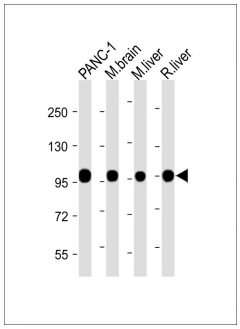
Immunogen	This CANX antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 560-592 amino acids from human CANX.
Predicted Reactive Species	Mouse, Rat
Isotype	Rabbit IgG

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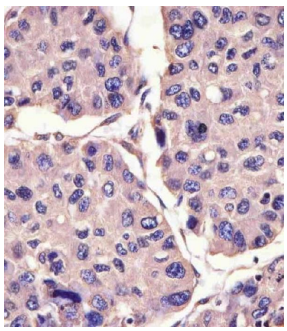
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000 IHC-P: 1:25 FC: 1:25

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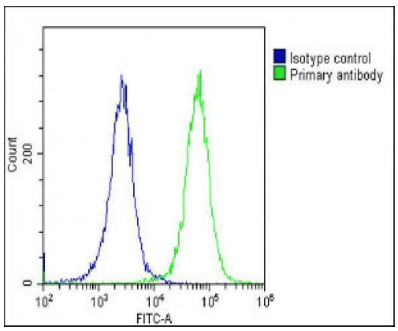
Anti-CANX Antibody (C-Term) (M03372) Images



All lanes : Anti-CANX Antibody (C-Term) at 1:2000 dilutionLane 1: PANC-1 lysateLane 2: Mouse brain lysateLane 3: Mouse liver lysateLane 4: Rat liver lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M03372 staining CANX in human hepatocarcinoma sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing HeLa cells stained with M03372 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M03372, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-CANX Antibody (C-Term)

For Research Use Only. Not for use in diagnostic procedures.