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Product datasheet

Anti-Calnexin antibody [EPR21205] ab213243

KO 評価済 リコンビナント

6 References 画像数 2

製品の概要

製品名	Anti-Calnexin antibody [EPR21205]
製品の詳細	Rabbit monoclonal [EPR21205] to Calnexin
由来種	Rabbit
アプリケーション	**適用あり:** WB **適用なし:** ICC/IF
種交差性	**交差種:** Mouse, Human
免疫原	Recombinant full length protein (His-tag) corresponding to Mouse Calnexin. Expressed in HEK293 Cells Database link: **NP_031623.1**
ポジティブ・コントロール	WB: NIH3T3, HeLa, HAP1
特記事項	This product was made using **synthetic libraries and phage display technology**. This antibody is a recombinant chimeric antibody. Rabbit chimeric monoclonal antibody (Human Fab/ Rabbit Fc).

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
ポリ/モノ	モノクローナル
クローン名	EPR21205
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee	**Abpromise保証は、** 次のテスト済みアプリケーションにおけるab213243の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 2.5 µg/ml. Predicted molecular weight: 68 kDa.

追加情報 Is unsuitable for ICC/IF.

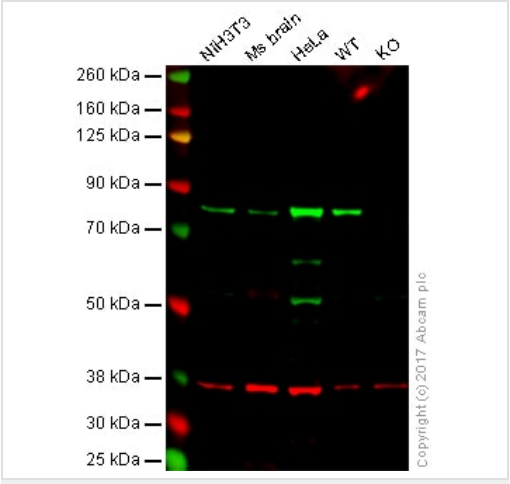
ターゲット情報

機能 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.

配列類似性 Belongs to the calreticulin family.

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

画像

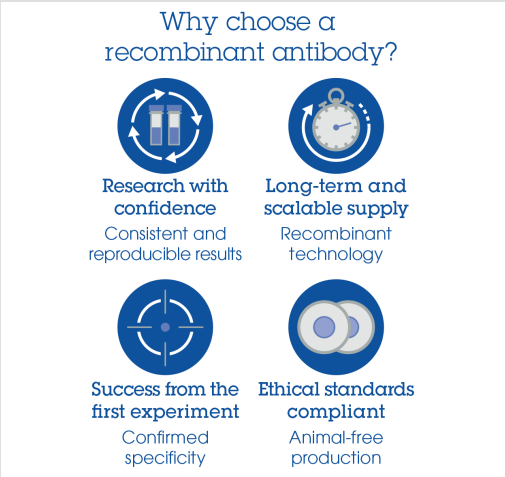


Western blot - Anti-Calnexin antibody [EPR21205] (ab213243)

Lane 1: NIH3T3 whole cell lysate (10 µg)
Lane 2: Mouse brain whole tissue lysate (10 µg)
Lane 3: HeLa whole cell lysate (10 µg)
Lane 4: Hap1 Wild-type whole cell lysate (10 µg)
Lane 5: CANX knockout Hap1 whole cell lysate (10 µg)

Lanes 1 - 5: Merged signal (red and green). Green - ab213243 observed at 75 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab213243 was shown to specifically react with Calnexin in wild-type HAP1 cells as signal was lost in Calnexin (*CANX*) knockout cells. Wild-type and CANX knockout samples were subjected to SDS-PAGE. Nitrocellulose membranes were blocked in 3% milk in TBST before ab213243 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1µg/mL and 1/10,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Anti-Calnexin antibody [EPR21205] (ab213243)

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