abcam

Product datasheet

Anti-GNB2 antibody [EP3262Y] ab108504

KO 評価済 リコンビナント RabMAb

1 References 画像数 3

製品の概要

製品名	Anti-GNB2 antibody [EP3262Y]
製品の詳細	Rabbit monoclonal [EP3262Y] to GNB2
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa, SH-SY5Y, Jurkat and NIH3T3 cell lysates. Rat and Mouse brain lysate
特記事項	This product has switched from a hybridoma to recombinant production method on 18th September 2023 This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP3262Y
アイソタイプ	IgG

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ab108504の使用に適用されます

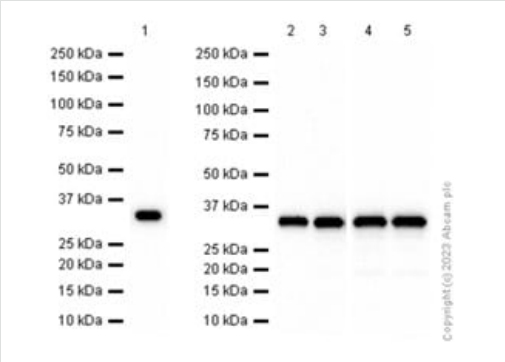
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 37 kDa). For the unpurified version use at 1/1000 to 1/10000 dilution

ターゲット情報

機能	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
配列類似性	Belongs to the WD repeat G protein beta family. Contains 7 WD repeats.
細胞内局在	Cytoplasm > perinuclear region.

画像



Western blot - Anti-GNB2 antibody [EP3262Y] (ab108504)

All lanes : Anti-GNB2 antibody [EP3262Y] (ab108504) at 1/1000 dilution

Lane 1 : SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysate at 15 µg
Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate at 20 µg
Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate at 20 µg
Lane 4 : Mouse brain lysate at 20 µg
Lane 5 : Rat brain lysate at 20 µg

Developed using the ECL technique.

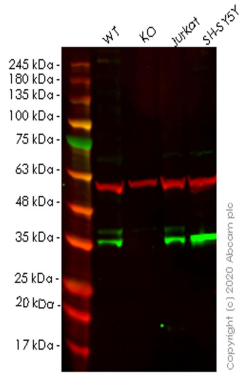
Performed under reducing conditions.

Predicted band size: 37 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Secondary antibody: incubated for 1h at 1:20,000 at room temperature (**ab97051**); incubated for 1h at 1:2000 at room temperature (Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG)

Exposure time: Lane 1, 5 seconds. Lanes 2 and 3, 10 seconds. Lanes 4 and 5, 3 seconds.



Western blot - Anti-GNB2 antibody [EP3262Y] (ab108504)

All lanes : Anti-GNB2 antibody [EP3262Y] (ab108504) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate
Lane 2 : GNB2 knockout HeLa cell lysate
Lane 3 : Jurkat cell lysate
Lane 4 : SH-SY5Y cell lysate

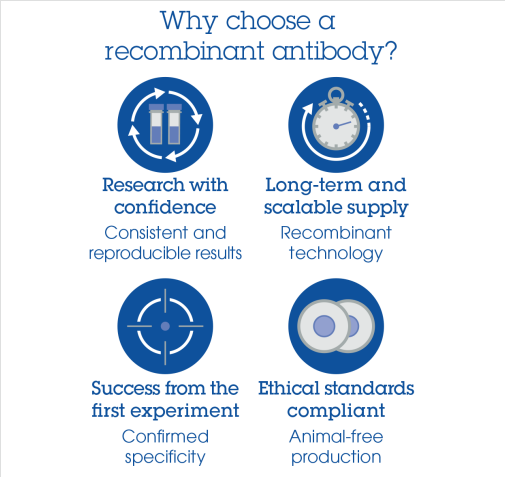
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 37 kDa
Observed band size: 35 kDa

Lanes 1-4: Merged signal (red and green). Green - ab108504 observed at 35 kDa. Red - loading control **ab7291** observed at 50 kDa.

ab108504 Anti-GNB2 antibody [EP3262Y] was shown to specifically react with GNB2 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab266528** (knockout cell lysate **ab257453**) was used. Wild-type and GNB2 knockout samples were subjected to SDS-PAGE. ab108504 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) were incubated at room temperature for 2. 5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Anti-GNB2 antibody [EP3262Y] (ab108504)

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