

Anti-GNA13 antibody [EPR5436] ab128900

KO 評価済 リコンビナント RabMAb

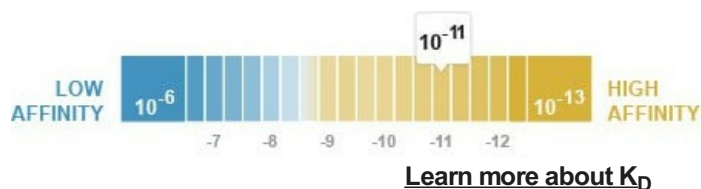
18 References 画像数 11

製品の概要

製品名	Anti-GNA13 antibody [EPR5436]
製品の詳細	Rabbit monoclonal [EPR5436] to GNA13
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt, ICC/IF or IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human GNA13 aa 300 to the C-terminus. The exact sequence is proprietary.
ポジティブ・コントロール	WB: Y79, 293T, HeLa and HepG2 cell lysates. IHC-P: Human bladder carcinoma and kidney tissues
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
解離定数 (K _D 値)	K _D = 6.10 x 10 ⁻¹¹ M



バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 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	EPR5436
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ab128900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。

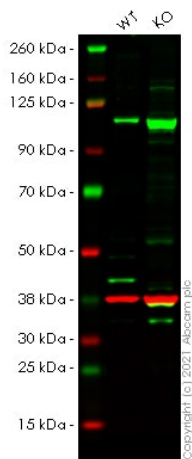
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For unpurified use at 1/250-1/500. See <u>IHC antigen retrieval protocol</u> .

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IP.

ターゲット情報

機能	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.
配列類似性	Belongs to the G-alpha family. G(12) subfamily.
翻訳後修飾	Palmitoylation is critical for proper membrane localization and signaling. Phosphorylation on Thr-203 by PKA destabilizes the heterotrimer of alpha, beta and gamma, and inhibits Rho activation.
細胞内局在	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

画像



Western blot - Anti-GNA13 antibody [EPR5436]
(ab128900)

All lanes : Anti-GNA13 antibody [EPR5436] (ab128900) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : GNA13 knockout HeLa cell lysate

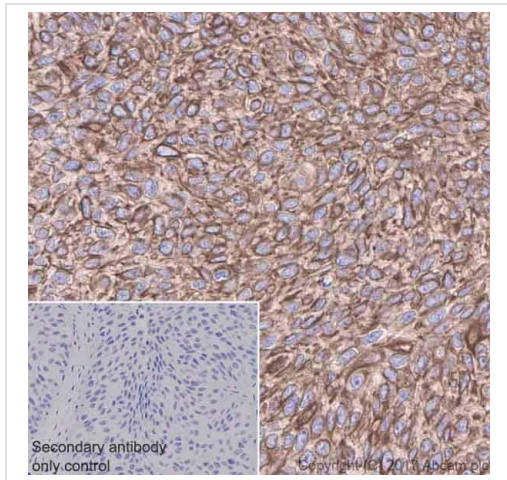
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 44 kDa

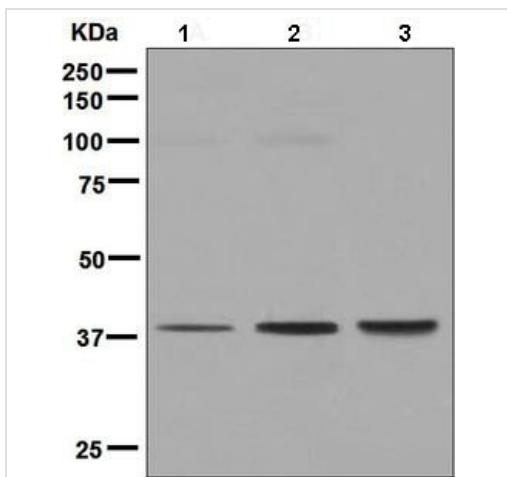
Lanes 1 - 2: Merged signal (red and green). Green - ab128900 observed at 45 kDa. Red - loading control **ab8245** (Mouse anti-GAPDH antibody [6C5]) observed at 37 kDa.

ab128900 was shown to react with GNA13 in wild-type HeLa cells in Western blot with loss of signal observed in GNA13 knockout cell line **ab264846** (GNA13 knockout cell lysate **ab257451**). Wild-type HeLa and GNA13 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab128900 and **ab8245** (Mouse anti-GAPDH antibody [6C5]) overnight at 4 °C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were incubated 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 in 20000 dilution for 1 h at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNA13 antibody [EPR5436] (ab128900)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human bladder carcinoma tissue sections labeling GNA13 with Purified ab128900 at 1:1000 dilution (1.2 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9.0. Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-GNA13 antibody [EPR5436] (ab128900)

All lanes : Anti-GNA13 antibody [EPR5436] (ab128900) at 1/1000 dilution (unpurified)

Lane 1 : Y79 cell lysate

Lane 2 : 293T cell lysate

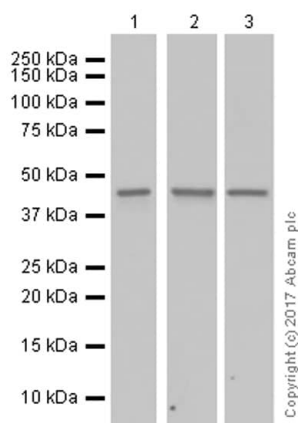
Lane 3 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 44 kDa



Western blot - Anti-GNA13 antibody [EPR5436] (ab128900)

All lanes : Anti-GNA13 antibody [EPR5436] (ab128900) at 1/5000 dilution (purified)

Lane 1 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 2 : Mouse brain lysates

Lane 3 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

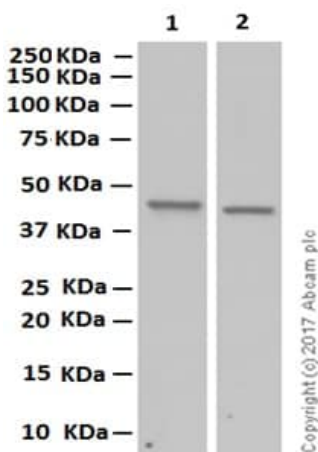
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-GNA13 antibody [EPR5436] (ab128900)

All lanes : Anti-GNA13 antibody [EPR5436] (ab128900) at 1/5000 dilution (unpurified)

Lane 1 : Mouse brain tissue lysate

Lane 2 : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

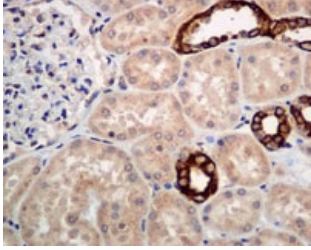
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa

Exposure time: 30 seconds

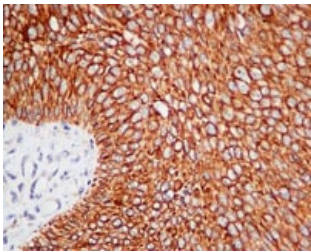
Blocking and dilution buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNA13 antibody [EPR5436] (ab128900)

Unpurified ab128900, at a 1/250 dilution, staining GNA13 in paraffin embedded Human kidney tissue by Immunohistochemistry.

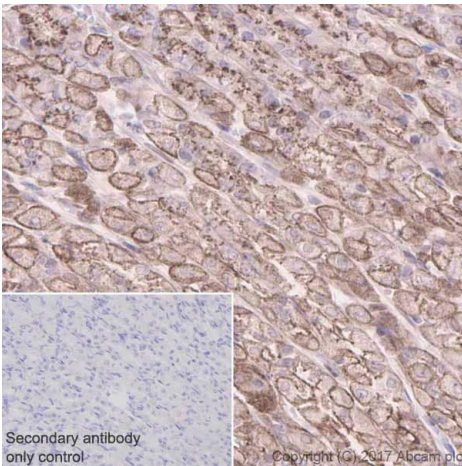
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNA13 antibody [EPR5436] (ab128900)

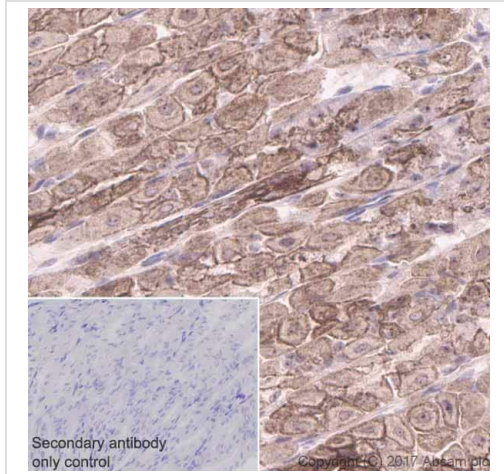
Unpurified ab128900, at a 1/250 dilution, staining GNA13 in paraffin embedded Human bladder carcinoma tissue by Immunohistochemistry.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



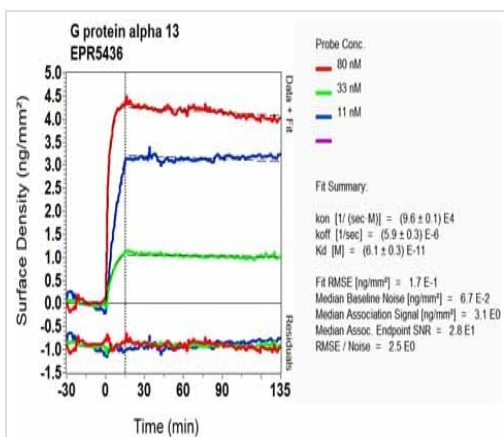
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNA13 antibody [EPR5436] (ab128900)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat stomach tissue sections labeling GNA13 with Purified ab128900 at 1:1000 dilution (1.2 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9.0. Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GNA13 antibody [EPR5436] (ab128900)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse stomach tissue sections labeling GNA13 with Purified ab128900 at 1:1000 dilution (1.2 µg/ml). Heat mediated antigen retrieval was performed using EDTA Buffer, pH9.0. Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



OL-RD Scanning - Anti-GNA13 antibody [EPR5436] (ab128900)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-GNA13 antibody [EPR5436] (ab128900)

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