


Anti-FLCN antibody [EPNCIR147] - BSA and Azide free ab248039

KO 評価済 リコンビナント RabMAb

画像数 3

製品の概要

製品名	Anti-FLCN antibody [EPNCIR147] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPNCIR147] to FLCN - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB 適用なし: Flow Cyt, ICC/IF, IHC-P or IP
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Recombinant fragment (GST-tag) corresponding to Human FLCN.
ポジティブ・コントロール	WB: Wild-type HeLa, HEK-293, Daudi, HEK-293T and NCCIT cell lysates.
特記事項	<p>ab248039 is the carrier-free version of ab124885.</p> <p>This antibody was developed as part of a collaboration between the National Cancer Institute's Center for Cancer Research and the lab of Marston Linehan. View antibodies from NCI Center for Cancer Research Collaboration.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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

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 +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPNCIR147
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ab248039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 at an assay dependent concentration. Detects a band of approximately 70 kDa (predicted molecular weight: 64 kDa).

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

ターゲット情報

機能	May play a role in the pathogenesis of an uncommon form of kidney cancer through its association with an inherited disorder of the hair follicle (fibrofolliculomas). May be a tumor suppressor. May be involved in colorectal tumorigenesis. May be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways. May regulate phosphorylation of RPS6KB1.
組織特異性	Expressed in most tissues tested, including skin, lung, kidney, heart, testis and stomach.
関連疾患	Defects in FLCN are the cause of Birt-Hogg-Dube syndrome (BHD) [MIM:135150]. BHD is a rare autosomal dominant genodermatosis characterized by hair follicle hamartomas (fibrofolliculomas), kidney tumors, and spontaneous pneumothorax. Fibrofolliculomas are part of the triad of BHD skin lesions that also includes trichodiscomas and acrochordons. Onset of this dermatologic condition is invariably in adulthood. BHD is associated with a variety of histologic types of renal tumors, including chromophobe renal cell carcinoma (RCC), benign renal oncocytoma, clear-cell RCC and papillary type I RCC. Multiple lipomas, angioliipomas, and parathyroid adenomas are also seen in patients affected with this disease. The majority of

mutations are predicted to prematurely terminate the protein.

Defects in FLCN are in some cases a cause of primary spontaneous pneumothorax (PSP) [MIM:173600]. PSP is a condition in which air is present in the pleural space in the absence of a precipitating event, such as trauma or lung disease. This results in secondary collapse of the lung, either partially or completely, and some degree of hypoxia. PSP is relatively common, with an incidence between 7.4-18/100'000 for men and 1.2-6/100'000 for women and a dose-dependent, increased risk among smokers. Most cases are sporadic, typically occurring in tall, thin men aged 10-30 years and generally while at rest. Familial PSP is rarer and usually is inherited as an autosomal dominant condition with reduced penetrance, although X-linked recessive and autosomal recessive inheritance have also been suggested.

Note=Defects in FLCN may be involved in renal cell carcinoma.

配列類似性

Belongs to the folliculin family.

発生段階

Expressed in fetal lung, kidney, liver, and brain.

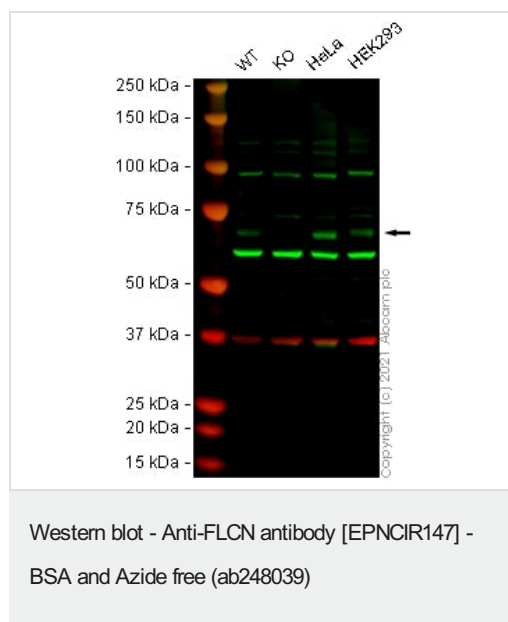
翻訳後修飾

Phosphorylated. Several different phosphorylated forms exist.

細胞内局在

Cytoplasm. Nucleus. Mainly localized in the nucleus. Co-localizes with FNIP1 and FNIP2 in the cytoplasm.

画像



All lanes : Anti-FLCN antibody [EPNCIR147] ([ab124885](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : FLCN knockout HeLa cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : HEK-293 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 64 kDa

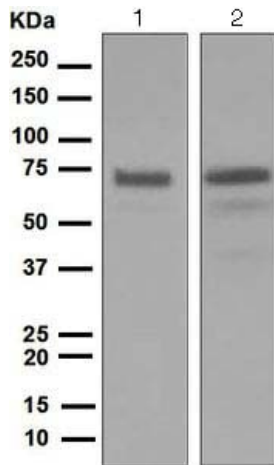
Observed band size: 64 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab124885](#)).

Lanes 1 -4: Merged signal (red and green). Green - [ab124885](#) observed at 64 kDa. Red - loading control [ab8245](#) (Mouse anti-GAPDH antibody [6C5]) observed at 37 kDa.

[ab124885](#) was shown to react with FLCN in wild-type HeLa cells in Western blot with loss of signal observed in FLCN knockout cell line [ab265268](#) (FLCN knockout cell lysate [ab257953](#)). Wild-type HeLa

and FLCN knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with **ab124885** 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.



Western blot - Anti-FLCN antibody [EPNCIR147] - BSA and Azide free (ab248039)

All lanes : Anti-FLCN antibody [EPNCIR147] (**ab124885**) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : NCCIT cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

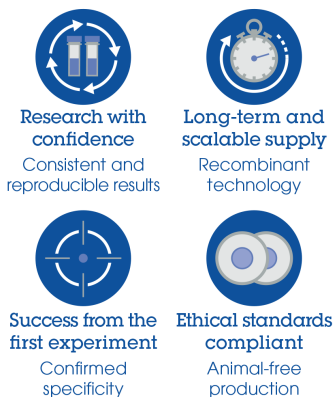
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 64 kDa

Observed band size: 70 kDa

This data was developed using **ab124885**, the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Anti-FLCN antibody [EPNCIR147] - BSA and Azide free (ab248039)

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