abcam

Product datasheet

Anti-Cip4 antibody [EPR1965] - BSA and Azide free ab247627

KO 評価済 リコンビナント RabMAb

画像数 4

製品の概要

製品名	Anti-Cip4 antibody [EPR1965] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1965] to Cip4 - BSA and Azide free
由来種	Rabbit
特異性	Recent WB re-tests performed by our lab suggest to use a higher dilution for mouse samples. The tested dilutions were 1:500 and 1:2000, were the signal detected was very strong. Human and rat samples worked fine in these dilutions.
アプリケーション	**適用あり:** IHC-P, WB **適用なし:** Flow Cyt,ICC/IF 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	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK293T, JAR, TF1, HeLa and HepG2 cell lysates. IHC-P: Human stomach tissue.
特記事項	ab247627 is the carrier-free version of **ab108313**. 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. 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. 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. 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. 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 +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	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR1965
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ab247627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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 68 kDa.

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

ターゲット情報

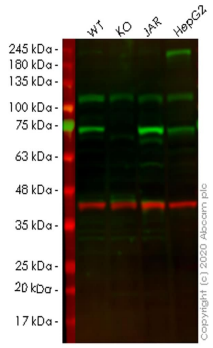
機能	Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal retention of FASLG/FASL.
組織特異性	Expressed in brain, colon, heart, kidney, liver, lung, megakaryocyte, ovary, pancreas, peripheral blood lymphocytes, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus and trachea.
配列類似性	Belongs to the FNBP1 family.

Contains 1 FCH domain.
Contains 1 REM (Hr1) repeat.
Contains 1 SH3 domain.

翻訳後修飾 Tyrosine phosphorylated. Also phosphorylated by PKA.

細胞内局在 Cytoplasm > perinuclear region and Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Lysosome. Golgi apparatus. Cell membrane. Cell projection > phagocytic cup. Translocates to the plasma membrane in response to insulin stimulation, and this may require active RHOQ (By similarity). Localizes to cortical regions coincident with F-actin, to lysosomes and to sites of phagocytosis in macrophages. Also localizes to the Golgi, and this requires AKAP9.

画像



Western blot - Anti-Cip4 antibody [EPR1965] - BSA and Azide free (ab247627)

All lanes : Anti-Cip4 antibody [EPR1965] (**ab108313**) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate
Lane 2 : TRIP10 knockout HEK293T cell lysate
Lane 3 : JAR cell lysate
Lane 4 : HepG2 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

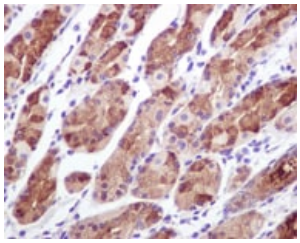
Predicted band size: 68 kDa
Observed band size: 75 kDa

This data was developed using **ab108313**, the same antibody clone in a different buffer formulation.

Lanes 1-4: Merged signal (red and green). Green - **ab108313** observed at 75 kDa. Red - loading control **ab8245** observed at 36 kDa.

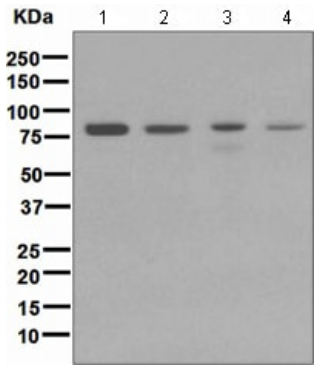
ab108313 Anti-Cip4 antibody [EPR1965] was shown to specifically react with Cip4 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266428** (knockout cell lysate **ab258251**) was used. Wild-type and Cip4 knockout samples were subjected to SDS-PAGE. **ab108313** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cip4 antibody [EPR1965] - BSA and Azide free (ab247627)

This data was developed using **ab108313**, the same antibody clone in a different buffer formulation.**ab108313** at 1/100 dilution staining Cip4 in paraffin embedded Human stomach tissue. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Western blot - Anti-Cip4 antibody [EPR1965] - BSA and Azide free (ab247627)

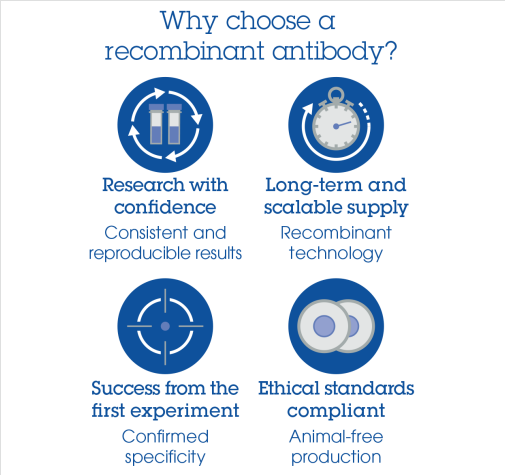
All lanes : Anti-Cip4 antibody [EPR1965] (**ab108313**) at 1/1000 dilution

Lane 1 : JAR cell lysate
Lane 2 : HepG2 cell lysate
Lane 3 : TF1 cell lysate
Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 68 kDa

This data was developed using **ab108313**, the same antibody clone in a different buffer formulation.



Anti-Cip4 antibody [EPR1965] - BSA and Azide free (ab247627)

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