abcam

Product datasheet

Anti-HIP1R antibody ab77297

3 Abreviews 画像数 3

製品の概要

製品名	Anti-HIP1R antibody
製品の詳細	Rabbit polyclonal to HIP1R
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB
種交差性	**交差種:** Human, Xenopus laevis **交差が予測される動物種:** Mouse, Rat, Rabbit
免疫原	Synthetic peptide corresponding to Human HIP1R aa 1-100 (N terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as **ab86622**)
ポジティブ・コントロール	This antibody gave a positive signal in Human Brain Tissue Lysate.

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
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ab77297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
ICC/IF	★★★★☆ (1)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 119 kDa (predicted molecular weight: 119 kDa).

ターゲット情報

機能
Component of clathrin-coated pits and vesicles, that may link the endocytic machinery to the actin cytoskeleton. Binds 3-phosphoinositides (via ENTH domain). May act through the ENTH domain to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis.

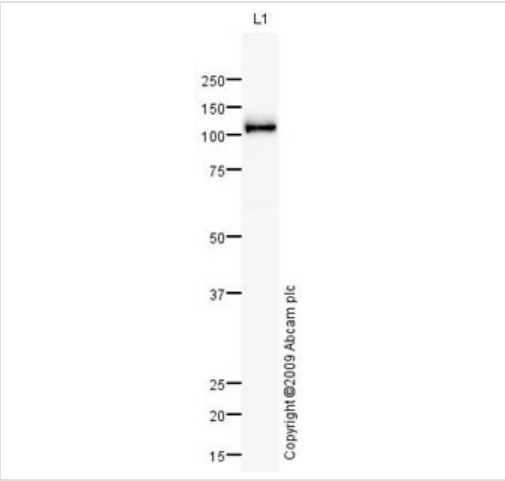
組織特異性
Brain, heart, kidney, pancreas, and liver, but not in lung or placenta.

配列類似性
Belongs to the SLA2 family.
Contains 1 ENTH (epsin N-terminal homology) domain.
Contains 1 I/LWEQ domain.

ドメイン
Binds F-actin via the talin-like I/LWEQ domain.

細胞内局在
Cytoplasm > perinuclear region. Endomembrane system. Cytoplasmic vesicle > clathrin-coated vesicle membrane. Membrane-associated protein, mainly localized at the endocytic compartments and in the perinuclear region.

画像



Western blot - Anti-HIP1R antibody (ab77297)

Anti-HIP1R antibody (ab77297) at 1 µg/ml + Human brain tissue lysate - total protein (**ab29466**) at 10 µg

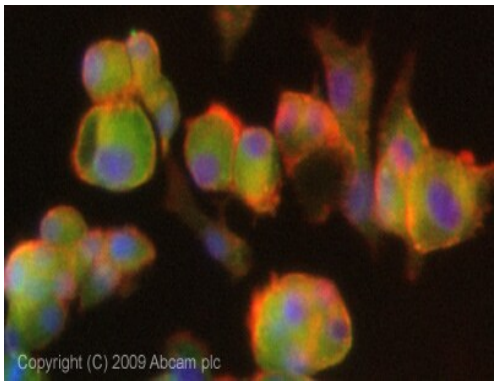
Secondary
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

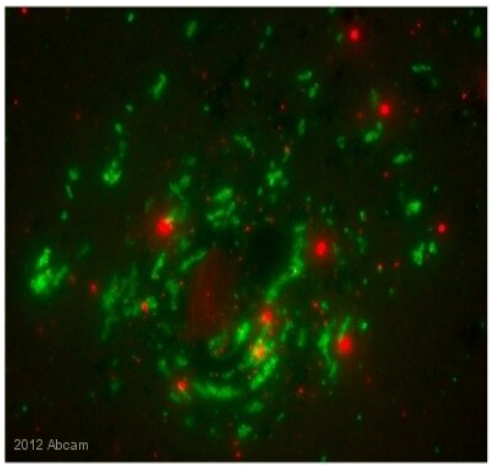
Predicted band size: 119 kDa
Observed band size: 119 kDa

Exposure time: 5 minutes



Immunocytochemistry/ Immunofluorescence - Anti-HIP1R antibody (ab77297)

ICC/IF image of ab77297 stained PC12 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab77297, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 100% methanol fixed (5 min) PC12 cells at 5µg/ml.



Immunocytochemistry/ Immunofluorescence - Anti-HIP1R antibody (ab77297)

Xenopus laevis cytoplasmic egg extract visualized live with primary and secondary antibody addition [red is anti-Clathrin X22 (**ab2731**) with goat anti-mouse Alexa Fluor 568 secondary, green is anti-HIP1R (ab77297) with goat anti-rabbit Alexa Fluor 488 secondary]. HIP1R staining is specific for perinuclear membrane compartments.

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