abcam

Product datasheet

Anti-ARRDC3 antibody ab64817

9 References 画像数 4

製品の概要

製品名	Anti-ARRDC3 antibody
製品の詳細	Rabbit polyclonal to ARRDC3
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB, IHC-P
種交差性	**交差種:** Mouse, Rat, Human
免疫原	A synthetic peptide derived from the C-terminal of human ARRDC3.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
精製度	Immunogen affinity purified
特記事項(精製)	ab64817 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
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ab64817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		Use a concentration of 5 µg/ml.
WB		1/500 - 1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

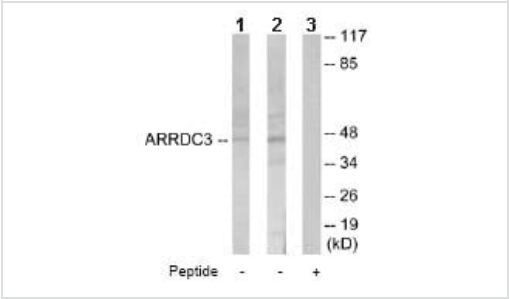
関連性

The arrestins are a family of proteins that are important for regulating signal transduction within cells. Arrestins are part of a conserved two step mechanism for regulating the activity of G-protein coupled receptors (GPCRs). In response to a stimulus, GPCRs activate a heterotrimeric G protein. In order to turn off this response, or adapt to a constant stimulus, activated receptors need to be silenced. The first step is phosphorylation by a class of serine/threonine kinases called G protein coupled receptor kinases (GRKs). This phosphorylation specifically marks the activated receptor for arrestin binding. Once arrestin is bound to the receptor it is unable to signal further. Recent research continues to expand the known actions of arrestins, which can bind to other classes of receptors and can directly activate signaling pathways on their own. Different arrestins (visual arrestin (or Arrestin 1), beta-arrestin 1 (or Arrestin 2) and beta-arrestin 2 (or Arrestin 3) can reduce the activity of their target GPCRs in several different ways.

細胞内局在

Cytoplasm. Note: Associated with plasma membrane, as well as with endodomes and lysosomes during endocytosis.

画像



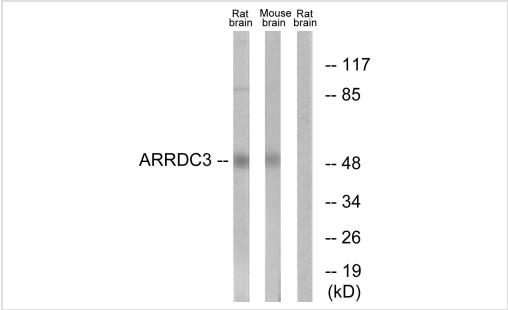
Western blot - Anti-ARRDC3 antibody (ab64817)

All lanes : Anti-ARRDC3 antibody (ab64817) at 1/500 dilution

Lane 1 : Extracts from Jurkat cells
Lane 2 : Extracts from COLO205 cells
Lane 3 : Extracts from COLO205 cells with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 46 kDa
Observed band size: 46 kDa

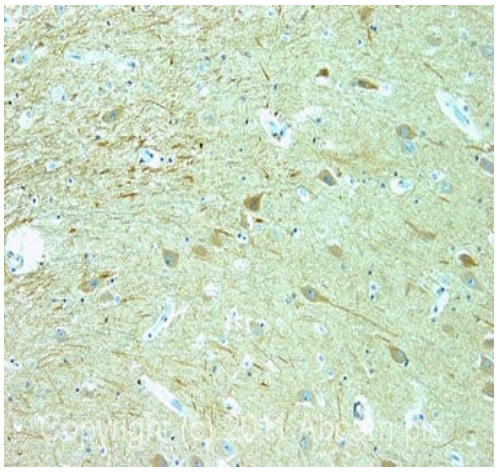


Western blot - Anti-ARRDC3 antibody (ab64817)

All lanes : Anti-ARRDC3 antibody (ab64817) at 1/500 dilution

Lane 1 : Rat brain lysates
Lane 2 : Mouse brain lysates
Lane 3 : Mouse brain lysates with immunizing peptide at 5 µg

Predicted band size: 46 kDa
Observed band size: 46 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARRDC3 antibody (ab64817)

IHC image of ab64817 staining in normal human hippocampus formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab64817, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

Immunocytochemistry/ Immunofluorescence - Anti-ARRDC3 antibody (ab64817)

ICC/IF image of ab64817 stained PC12 cells. The cells were 4% formaldehyde 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 (ab64817, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 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.

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