Datasheet for ABIN654631

anti-CNR2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	CNR2
Binding Specificity:	AA 329-356, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNR2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-356 amino acids from the C-terminal region of human CB2.
Clone:	RB21841
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CNR2
Alternative Name:	CB2 (CNR2 Products)

Target Details

Background:	The cannabinoid delta-9-tetrahydrocannabinol is the principal psychoactive ingredient of marijuana. The proteins encoded by this gene and the cannabinoid receptor 1 (brain) (CNR1) gene have the characteristics of a guanine nucleotide-binding protein (G-protein)-coupled receptor for cannabinoids. They inhibit adenylate cyclase activity in a dose-dependent, stereoselective, and pertussis toxin-sensitive manner. These proteins have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. The cannabinoid receptors are members of family 1 of the G-protein-coupled receptors.
Molecular Weight:	39681
Gene ID:	1269
NCBI Accession:	NP_001832
UniProt:	P34972

Application Details

Application Notes:	WB: 1:1000. IHC-P: 0.059027777777778. IHC-P: 0.059027777777778. IHC-P: 1:10~50. FC: 1:10~50. FC: 1:25
Restrictions:	For Research Use only

Handling

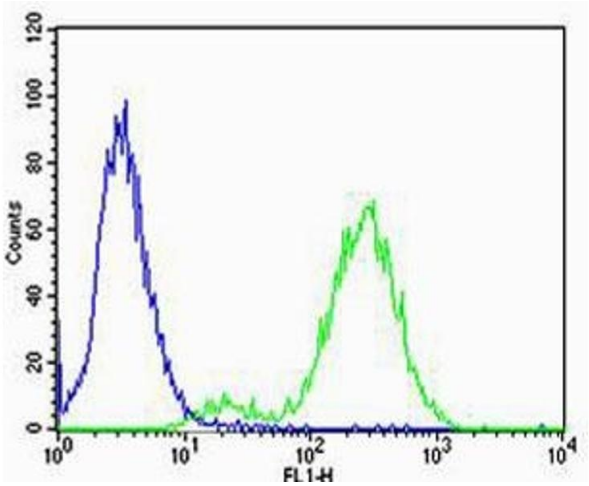
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Martins, Eusebio, Correia, Marinho, Casares, Pereira: "TGFβ/Activin signalling is required for

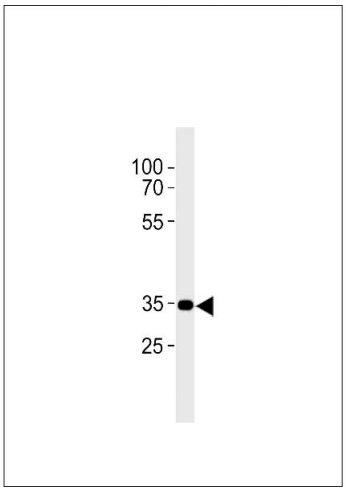
ribosome biogenesis and cell growth in Drosophila salivary glands." in: **Open biology**, Vol. 7, Issue 1, (2017) (PubMed).

Images



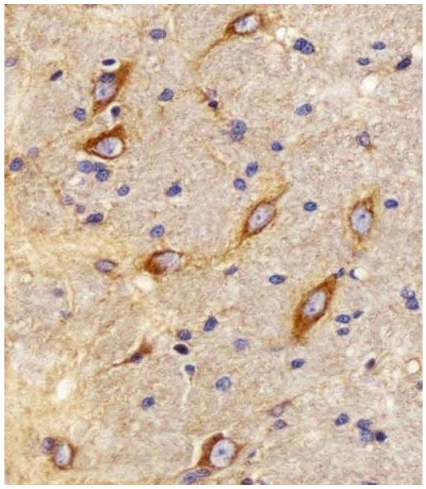
Flow Cytometry

Image 1. Flow cytometric analysis of Jurkat cells using CB2 Antibody (C-term) (ABIN654631 and ABIN2844327) compared to an isotype control of rabbit IgG(blue). (ABIN654631 and ABIN2844327) was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western Blotting

Image 2. CB2 Antibody (C-term) (ABIN654631 and ABIN2844327) western blot analysis in A431 cell line lysates (35 µg/lane).This demonstrates the CB2 antibody detected the CB2 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemical analysis of paraffin-embedded R. brain section using CB2 Antibody (C-term) (ABIN654631 and ABIN2844327). (ABIN654631 and ABIN2844327) was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Please check the product details page for more images. Overall 6 images are available for ABIN654631.