Datasheet for ABIN1413010

anti-GARP antibody (AA 856-960) (Cy5)

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Overview

Quantity:	100 µL
Target:	GARP (CNGB1)
Binding Specificity:	AA 856-960
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GARP antibody is conjugated to Cy5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CNGB1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GARP (CNGB1)
Alternative Name:	CNG4/GARP (CNGB1 Products)
Background:	Synonyms: CNCG2, CNCG3L, CNCG4, CNG 4, CNG-4, CNG channel 4, CNG channel beta 1,

Target Details

	CNG4, CNGB 1, CNGB1, CNGB1B, Cyclic nucleotide gated cation channel 4, Cyclic nucleotide gated cation channel, Cyclic nucleotide gated cation channel beta 1, Cyclic nucleotide gated cation channel gamma, Cyclic nucleotide gated cation channel modulatory subunit, Cyclic nucleotide gated channel photoreceptor cGMP gated 3 gamma like, Cyclic nucleotide gated channel beta 1, GAR1, Glutamic acid rich protein, RCNC2, RCNCb, RCNCbeta, RP45, CNGB1_HUMAN. Background: Cyclic nucleotide-gated (CNG) cation channels are heteromeric complexes made up of principal alpha and modulatory beta subunits (1,2). The alpha subunits consist of CNG1-3 and form functional cation channels by themselves (1,2). The beta subunits consist of CNG4-6 and, unlike the alpha subunits, do not form functional channels, but rather modify the properties of channels (1,2). CNG channels are essential components of olfactory and visual transduction (1,2). In olfactory neurons, CNG2, CNG4.3 and CNG5 form Ca2+ permeable channels, which open and depolarize the cell in response to cAMP (1-3). In rod photoreceptors, CNG1 and CNG4.1 combine to form Ca ion permeable channels, which give rise to a current in response to cGMP (1-3). CNG3 and CNG6 are expressed in cone receptors and may combine to form a native cGMP-activated channel (2,3). CNG channels have been implicated in other areas (4-6). CNG1 is also expressed in medium-sized and small-sized arteries, suggesting a role for CNG in the regulation of arterial blood pressure and of blood supply to different regions (4). CNG1, CNG4.1 and CNG4.2 have been detected in the rat pineal gland (5). CNG2, CNG4.3 and CNG5 are present in GT1 cell lines and may play a role in the secretion of gonadotropin-releasing hormone (6).
UniProt:	Q14028
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Phototransduction

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL

Handling

Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months