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Datasheet for ABIN5003163

anti-GALR3 antibody (AA 1-100) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	GALR3
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALR3 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GALR3
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GALR3
Alternative Name:	GALR3 (GALR3 Products)
Background:	Synonyms: GAL 3R, GAL R3, GAL3 R, GAL3-R, GAL3R, Galanin receptor 3, Galanin receptor-3,

Target Details

Galanin receptor family member 3, Galanin receptor type 3, GALN R3, GALNR 3, GALNR3, GALR 3, GALR-3, Galr3, GALR3_HUMAN.

Background: GALR3 a 368 and 370 amino acid protein in human and rat, respectively, belongs to a family of G protein-coupled receptors that bind the neuropeptide galanin, which is distributed throughout the central and peripheral nervous system, the pituitary gland, the gastrointestinal tract and in the endocrine and exocrine pancreas. GALR3 mRNA is widely distributed, but expressed at low abundance. In human, GALR3 mRNA is highly expressed in the hypothalamus, pituitary and testis, and is expressed to a lesser extent in adrenal gland and pancreas. Rat and human GALR3 co-express with potassium channel subunits GIRK1 and GIRK4. Like GALR1, GALR3 signaling pathways lead to the inhibition of adenylate cyclase and to the activation of potassium channels, which are linked to the regulation of neurotransmitter release. Binding of galanin to galanin receptors results in increased feeding, impaired learning, enhanced opiate analgesia and decreased opiate place preference.

Gene ID: 8484

Pathways: [cAMP Metabolic Process](#), [Feeding Behaviour](#)

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

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.

Handling

Expiry Date: 12 months