

ARG63766 anti-5-HT2C Receptor antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes 5-HT2C Receptor
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	5-HT2C Receptor
Species	Human
Immunogen	C-QVENLELPVN
Conjugation	Un-conjugated
Alternate Names	5-hydroxytryptamine receptor 1C; 5-HT-1C; 5-HTR2C; 5-HT2C; 5-HT-2C; 5-HT1C; Serotonin receptor 2C; 5HTR2C; 5-hydroxytryptamine receptor 2C; HTR1C

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 3358 Human](#)

[Swiss-port # P28335 Human](#)

Background

Serotonin (5-hydroxytryptamine, 5-HT), a neurotransmitter, elicits a wide array of physiological effects by binding to several receptor subtypes, including the 5-HT₂ family of seven-transmembrane-spanning, G-protein-coupled receptors, which activate phospholipase C and D signaling pathways. This gene encodes the 2C subtype of serotonin receptor and its mRNA is subject to multiple RNA editing events, where genomically encoded adenosine residues are converted to inosines. RNA editing is predicted to alter amino acids within the second intracellular loop of the 5-HT_{2C} receptor and generate receptor isoforms that differ in their ability to interact with G proteins and the activation of phospholipase C and D signaling cascades, thus modulating serotonergic neurotransmission in the central nervous system. Studies in humans have reported abnormalities in patterns of 5-HT_{2C} editing in depressed suicide victims. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Research Area

Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody

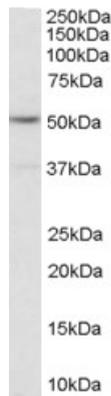
Calculated Mw

52 kDa

PTM

N-glycosylated.

Images



ARG63766 anti-5-HT_{2C} Receptor antibody WB image

Western blot: 35 µg of EBV immortalised Lymphoblastoid lysate (in RIPA buffer) stained with ARG63766 anti-5-HT_{2C} Receptor antibody at 1 µg/ml dilution and incubated at RT for 1 hour.