

ARG42950 anti-HTR1A / 5HT1A Receptor antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HTR1A / 5HT1A Receptor
Tested Reactivity	Hu, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HTR1A / 5HT1A Receptor
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 404-422 of Human HTR1A / 5HT1A Receptor. (NKDFQNAFKKIIKCKFCRQ)
Conjugation	Un-conjugated
Alternate Names	5-hydroxytryptamine receptor 1A; 5HT1a; ADRB2RL1; 5-HT-1A; PFMCD; ADRBRL1; Serotonin receptor 1A; 5-HT1A; G-21

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:250
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 46 kDa	

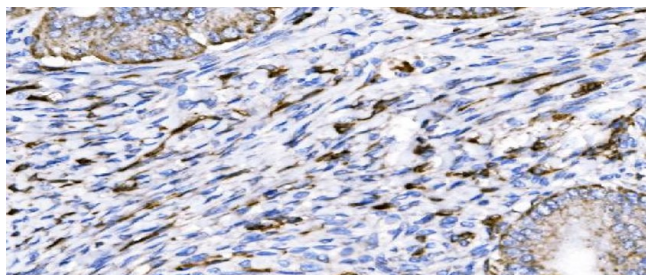
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
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

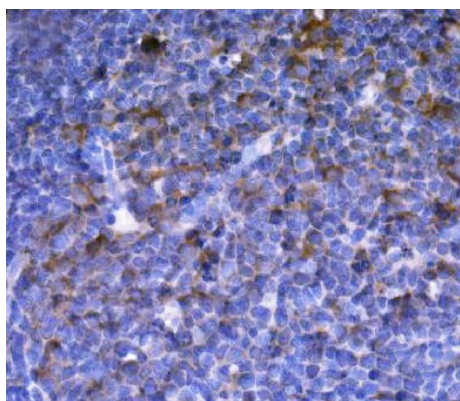
Gene Symbol	HTR1A
Gene Full Name	5-hydroxytryptamine (serotonin) receptor 1A, G protein-coupled
Background	This gene encodes a G protein-coupled receptor for 5-hydroxytryptamine (serotonin), and belongs to the 5-hydroxytryptamine receptor subfamily. Serotonin has been implicated in a number of physiologic processes and pathologic conditions. Inactivation of this gene in mice results in behavior consistent with an increased anxiety and stress response. Mutation in the promoter of this gene has been associated with menstrual cycle-dependent periodic fevers. [provided by RefSeq, Jun 2012]
Function	G-protein coupled receptor for 5-hydroxytryptamine (serotonin). Also functions as a receptor for various drugs and psychoactive substances. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase. Beta-arrestin family members inhibit signaling via G proteins and mediate activation of alternative signaling pathways. Signaling inhibits adenylate cyclase activity and activates a phosphatidylinositol-calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores. Plays a role in the regulation of 5-hydroxytryptamine release and in the regulation of dopamine and 5-hydroxytryptamine metabolism. Plays a role in the regulation of dopamine and 5-hydroxytryptamine levels in the brain, and thereby affects neural activity, mood and behavior. Plays a role in the response to anxiogenic stimuli. [UniProt]
Calculated Mw	46 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



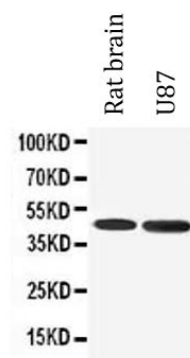
ARG42950 anti-HTR1A / 5HT1A Receptor antibody IHC-P image

Immunohistochemistry: Human endometrial adenocarcinoma stained with ARG42950 anti-HTR1A / 5HT1A Receptor antibody.



ARG42950 anti-HTR1A / 5HT1A Receptor antibody IHC-P image

Immunohistochemistry: Rat lymphaden adenocarcinoma stained with ARG42950 anti-HTR1A / 5HT1A Receptor antibody.



ARG42950 anti-HTR1A / 5HT1A Receptor antibody WB image

Western blot: Rat brain and U87 cell lysates stained with ARG42950 anti-HTR1A / 5HT1A Receptor antibody.