

ARG42182 anti-HRH3 / Histamine H3 Receptor antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HRH3 / Histamine H3 Receptor
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HRH3 / Histamine H3 Receptor
Species	Human
Immunogen	Synthetic peptide around the internal region of Human HRH3 / Histamine H3 Receptor. (C-SVTRAVSYRAQQGDT) (NP_009163.2)
Conjugation	Un-conjugated
Alternate Names	GPCR97; Histamine H3 receptor; H3R; G-protein coupled receptor 97; HH3R

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	
Observed Size	~ 48 kDa	

Properties

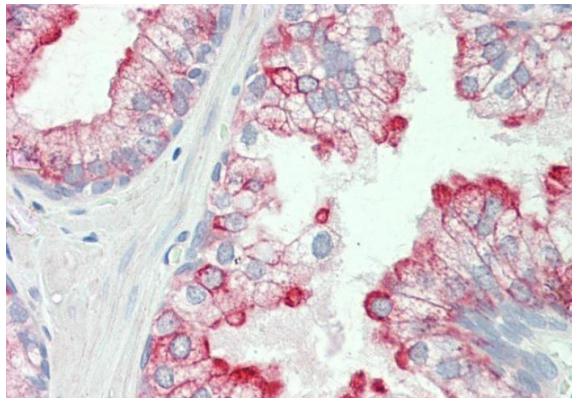
Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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

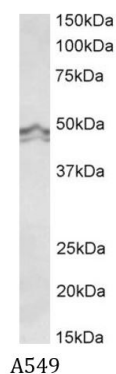
Gene Symbol	HRH3
Gene Full Name	histamine receptor H3
Background	Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. [provided by RefSeq, Jul 2008]
Function	The H3 subclass of histamine receptors could mediate the histamine signals in CNS and peripheral nervous system. Signals through the inhibition of adenylate cyclase and displays high constitutive activity (spontaneous activity in the absence of agonist). Agonist stimulation of isoform 3 neither modified adenylate cyclase activity nor induced intracellular calcium mobilization. [UniProt]
Calculated Mw	49 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42182 anti-HRH3 / Histamine H3 Receptor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42182 anti-HRH3 / Histamine H3 Receptor antibody at 5 µg/ml dilution followed by AP-staining.



ARG42182 anti-HRH3 / Histamine H3 Receptor antibody WB image

Western blot: 35 µg of A549 cell lysate (in RIPA buffer) stained with ARG42182 anti-HRH3 / Histamine H3 Receptor antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.