

ARG63812 anti-Histamine Receptor H1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Histamine Receptor H1
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Cow, Dog
Tested Application	ICC/IF, IHC-P
Specificity	Variants (NP_000852.1; NP_001091681.1; NP_001091682.1; NP_001091683.1) encode the same protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Histamine Receptor H1
Species	Human
Immunogen	CNENFKKTFKRILH
Conjugation	Un-conjugated
Alternate Names	HRH1, Histamine Receptor H1, Histamine H1 Receptor, HH1R, H1R, Histamine Receptor, Subclass H1, HisH1, H1-R

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay - dependent
	IHC-P	4 - 6 µg/ml
Application Note	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.	

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: 24448 Rat](#)

[GeneID: 3269 Human](#)

[Swiss-port # P31390 Rat](#)

[Swiss-port # P35367 Human](#)

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 was thought to be intronless until recently. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Research Area

Immune System antibody; Signaling Transduction antibody

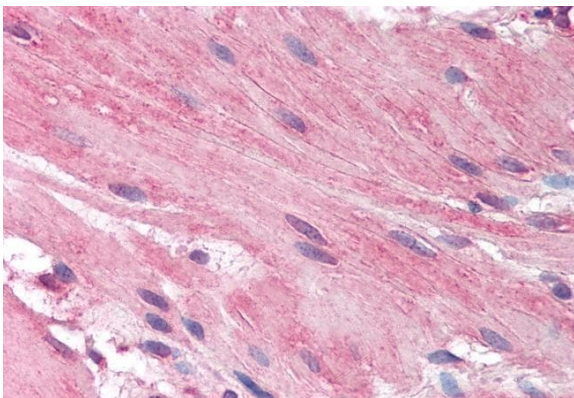
Calculated Mw

56 kDa

PTM

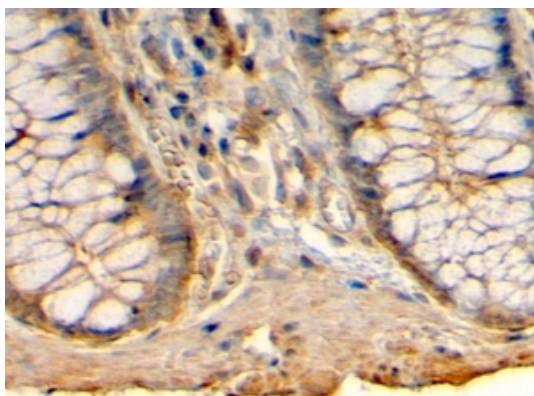
Phosphorylation at sites in the second and third cytoplasmic loops independently contribute to agonist-induced receptor downregulation.

Images



ARG63812 anti-Histamine Receptor H1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63812 anti-Histamine Receptor H1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG63812 anti-Histamine Receptor H1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Colon. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63812 anti-Histamine Receptor H1 antibody at 4 µg/ml dilution followed by HRP-staining.