

Recombinant Anti-Histamine H3 Receptor Rabbit mAb

Catalog # AP95257

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9Y5N1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	48671

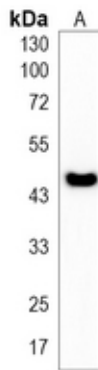
Additional Information

Gene ID	11255
Other Names	GPCR97; Histamine H3 receptor; H3R; HH3R; G-protein coupled receptor 97
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Histamine H3 Receptor protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

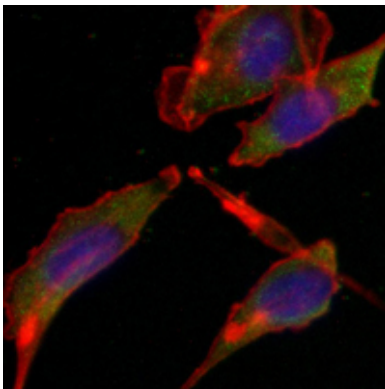
Protein Information

Name	HRH3
Synonyms	GPCR97
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.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed predominantly in the CNS, with the greatest expression in the thalamus and caudate nucleus. The various isoforms are mainly coexpressed in brain, but their relative expression level varies in a region-specific manner. Isoform 3 and isoform 7 are highly expressed in the thalamus, caudate nucleus and cerebellum while isoform 5 and isoform 6 show a poor expression. Isoform 5 and isoform 6 show a high expression in the amygdala, substantia nigra, cerebral cortex and hypothalamus. Isoform 7 is not found in

Images



Western blot analysis of Histamine H3 Receptor expression in A549 (A) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 45 kD)



Immunofluorescent analysis of Histamine H3 Receptor staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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