

histamine H3 receptor Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3880a**Specification**

histamine H3 receptor Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q9Y5N1
Other Accession	NP_009163.2 , 11255 , 99296 (mouse) , 85268 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	48671

histamine H3 receptor Antibody (internal region) - Additional Information**Gene ID** 11255**Other Names**

Histamine H3 receptor, H3R, HH3R, G-protein coupled receptor 97, HRH3, GPCR97

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

histamine H3 receptor Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

histamine H3 receptor Antibody (internal region) - 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

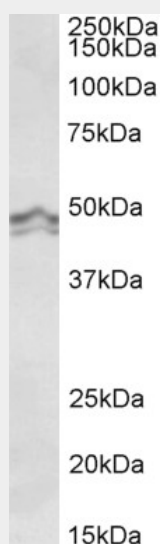
Expressed predominantly in the CNS, with the greatest expression in the thalamus and caudate nucleus. The various isoforms are mainly coexpressed in brain, but their relative expression level varies in a region-specific manner. Isoform 3 and isoform 7 are highly expressed in the thalamus, caudate nucleus 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 hypothalamus or substantia nigra

histamine H3 receptor Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

histamine H3 receptor Antibody (internal region) - Images



AF3880a (0.1 µg/ml) staining of A549 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

histamine H3 receptor Antibody (internal region) - References

The hydrophobic amino acids in putative helix 8 in carboxy-terminus of histamine H(3) receptor are

involved in receptor-G-protein coupling. Kuramasu A, Sukegawa J, Sato T, Sakurai E, Watanabe T, Yanagisawa T, Yanai K. Cell Signal. 2011 Nov;23(11):1843-9. PMID: 21749919