

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

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**histamine H3 receptor Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">O9Y5N1</a>
Other Accession	<a href="#">NP_009163.2</a> , <a href="#">11255</a> , <a href="#">99296 (mouse)</a> , <a href="#">85268 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
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

**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.

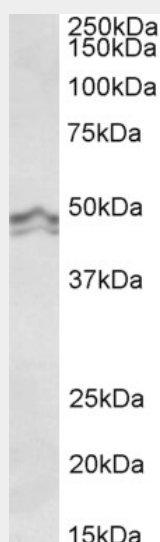
**Tissue Location**

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