

**HRH3 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2911a****Specification**

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**HRH3 Antibody (internal region) - Product Information**

Application	E
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>
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	48671

**HRH3 Antibody (internal region) - Additional Information****Gene ID** 11255**Other Names**

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

**Dilution**

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**

HRH3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**HRH3 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

**HRH3 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](#)

**HRH3 Antibody (internal region) - Images****HRH3 Antibody (internal region) - References**

Histamine regulates pancreatic carcinoma cell growth through H3 and H4 receptors. Cricco GP, Mohamad NA, Sambuco LA, Genre F, Croci M, Guti  rrez AS, Medina VA, Bergoc RM, Rivera ES, Mart  n GA, Inflamm. Res. 2008 57 Suppl 1 : S23-4. PMID: 18345506