

**HRH3 / Histamine 3 Receptor Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS16292****Specification**

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**HRH3 / Histamine 3 Receptor Antibody (Internal) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q9Y5N1</a>
Reactivity	Human, Hamster, Horse, Bovine, Guinea Pig, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	49kDa KDa

**HRH3 / Histamine 3 Receptor Antibody (Internal) - Additional Information****Gene ID** 11255**Other Names**

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

**Target/Specificity**

Human HRH3 / Histamine 3 Receptor

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

HRH3 / Histamine 3 Receptor Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**HRH3 / Histamine 3 Receptor Antibody (Internal) - 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

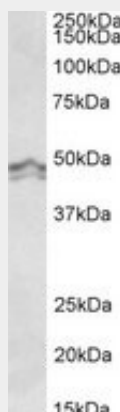
nucleus. The various isoforms are mainly coexpressed in brain, but their relative expression level varies in a region-specific manner. Isoform 3 and isoform 7 are highly expressed in the thalamus, caudate nucleus and cerebellum while isoform 5 and isoform 6 show a poor expression. Isoform 5 and isoform 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 / Histamine 3 Receptor Antibody (Internal) - Protocols

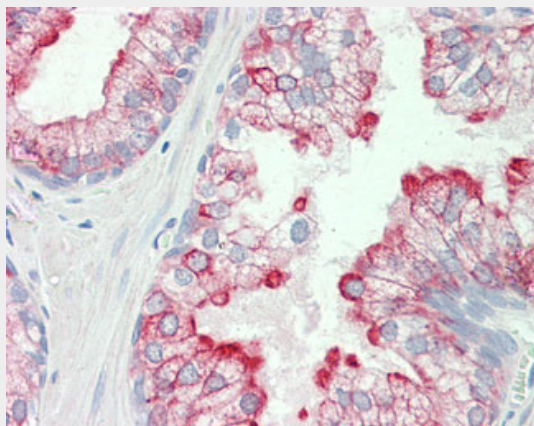
Provided below are standard protocols that you may find useful for product applications.

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

### HRH3 / Histamine 3 Receptor Antibody (Internal) - Images



HRH3 antibody (0.1 ug/ml) staining of A549 lysate (35 ug protein in RIPA buffer).



Anti-HRH3 / Histamine 3 Receptor antibody IHC staining of human prostate.

### HRH3 / Histamine 3 Receptor Antibody (Internal) - Background

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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.

#### **HRH3 / Histamine 3 Receptor Antibody (Internal) - References**

Lovenberg T.W.,et al.Mol. Pharmacol. 55:1101-1107(1999).  
Nakamura T.,et al.Biochem. Biophys. Res. Commun. 279:615-620(2000).  
Coge F.,et al.Biochem. J. 355:279-288(2001).  
Wiedemann P.,et al.J. Neural Transm. 109:443-453(2002).  
Ullmer C.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.