

**Anti-Histamine H3 Receptor Antibody**  
**Rabbit polyclonal antibody to Histamine H3 Receptor**  
**Catalog # AP60094****Specification**

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**Anti-Histamine H3 Receptor Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O9Y5N1</a>
Other Accession	<a href="#">P58406</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48671

**Anti-Histamine H3 Receptor Antibody - Additional Information****Gene ID** 11255**Other Names**

GPCR97; Histamine H3 receptor; H3R; HH3R; G-protein coupled receptor 97

**Target/Specificity**

Recognizes endogenous levels of Histamine H3 Receptor protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Histamine H3 Receptor Antibody - 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

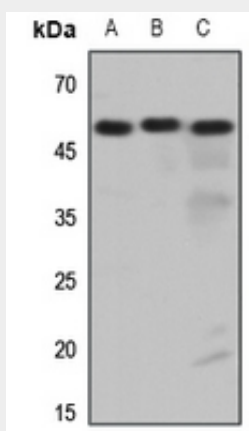
Expressed predominantly in the CNS, with the greatest expression in the thalamus and caudate nucleus. The various isoforms are mainly coexpressed in brain, but their relative expression level varies in a region-specific manner. Isoform 3 and isoform 7 are highly expressed in the thalamus, caudate nucleus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

#### Anti-Histamine H3 Receptor Antibody - Protocols

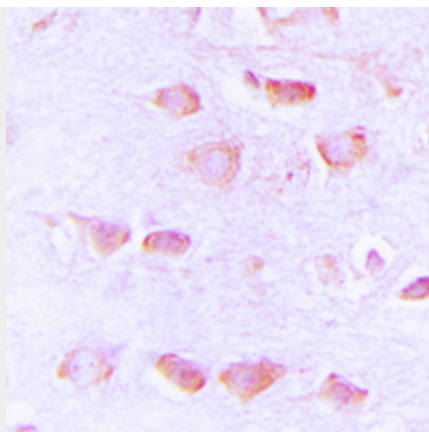
Provided below are standard protocols that you may find useful for product applications.

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

#### Anti-Histamine H3 Receptor Antibody - Images



Western blot analysis of Histamine H3 Receptor expression in HEK293T (A), HeLa (B), H460 (C) whole cell lysates.



Immunohistochemical analysis of Histamine H3 Receptor staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-Histamine H3 Receptor Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histamine H3 Receptor. The exact sequence is proprietary.