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# Anti-HRH3 / Histamine 3 Receptor Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17479

## Product Information

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|---|---|
| **Application** | WB, IHC-P |
| **Primary Accession** | Q9Y5N1 |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 48671 |
| **Concentration (mg/ml)** | 1 mg/ml |

## Additional Information

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| **Gene ID** | 11255 |
| **Alias Symbol** | HRH3 |
| **Other Names** | HRH3, G protein-coupled receptor 97, GPCR97, H3 histamine receptor, H3R, HH3R, Histamine H3 receptor, Histamine receptor H3, G-protein coupled receptor 97, Histamine 3 receptor |
| **Target/Specificity** | Human HRH3 / Histamine H3 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| **Reconstitution & Storage** | Immunoaffinity purified |
| **Precautions** | Anti-HRH3 / Histamine 3 Receptor Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.