

# Histamine H3 Receptor rabbit pAb

Cat No.:ES4625

For research use only

## Overview

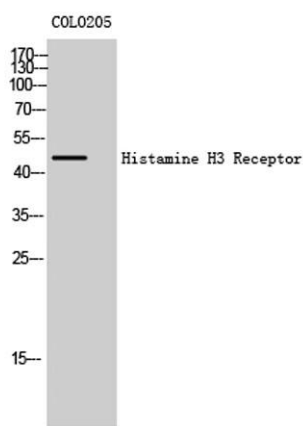
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|--------------------------|--|
| Product Name             | Histamine H3 Receptor rabbit pAb   |
| Host species             | Rabbit   |
| Applications             | WB;IHC;IF;ELISA  |
| Species Cross-Reactivity | Human;Mouse;Rat  |
| Recommended dilutions    | Western Blot: 1/500 - 1/2000.<br>Immunohistochemistry: 1/100 - 1/300.<br>Immunofluorescence: 1/200 - 1/1000. ELISA:<br>1/5000. Not yet tested in other applications. |
| Immunogen                | The antiserum was produced against synthesized peptide derived from human HRH3. AA range:291-340   |
| Specificity              | Histamine H3 Receptor Polyclonal Antibody detects endogenous levels of Histamine H3 Receptor protein.  |
| Formulation              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Storage                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| Protein Name             | Histamine H3 receptor  |
| Gene Name                | HRH3   |
| Cellular localization    | Cell membrane; Multi-pass membrane protein.  |
| Purification             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Clonality                | Polyclonal   |
| Concentration            | 1 mg/ml  |
| Observed band            | 49kD   |
| Human Gene ID            | 11255  |
| Human Swiss-Prot Number  | Q9Y5N1   |
| Alternative Names        | HRH3; GPCR97; Histamine H3 receptor; H3R; HH3R; G-protein coupled receptor 97  |
| Background               | Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated                    |



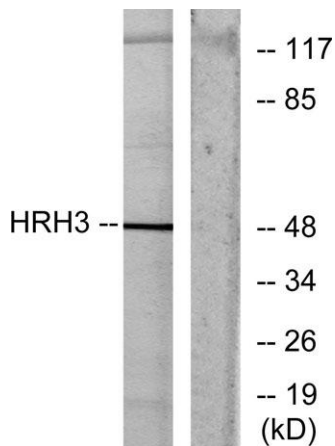


by histamine receptors H1, H2, H3 and H4. This gene encodes one of the histamine receptors (H3) which belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and can regulate neurotransmitter release. This receptor can also increase voltage-dependent calcium current in smooth muscles and innervates the blood vessels and the heart in cardiovascular system. [provided by RefSeq, Jul 2008],

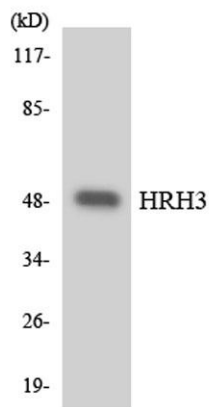
Western Blot analysis of COLO205 cells using Histamine H3 Receptor Polyclonal Antibody



Western blot analysis of lysates from COLO205 cells, using HRH3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7 cells using HRH3 antibody.





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