Histamine H1 Receptor (phospho Ser398) rabbit pAb

Cat#: orb768651 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Histamine H1 Receptor (phospho Ser398) rabbit pAb
Host species	Rabbit
Applications	IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Histamine H1 Receptor around the phosphorylation site of Ser398. AA range:364-413
Specificity	Phospho-Histamine H1 Receptor (S398) Polyclonal Antibody detects endogenous levels of Histamine H1 Receptor protein only when phosphorylated at S398.
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 H1 receptor
Gene Name	HRH1
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

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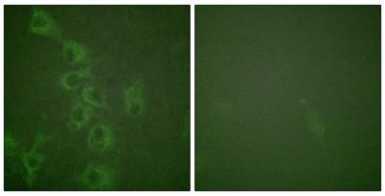
Concentration	1 mg/ml
Observed band	
Human Gene ID	3269
Human Swiss-Prot Number	P35367
Alternative Names	HRH1; Histamine H1 receptor; H1R; HH1R

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. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. It has been associated with multiple processes, including memory and learning, circadian rhythm, and thermoregulation. It is also known to contribute to the pathophysiology of allergic diseases such as atopic dermatitis, asthma, anaphylaxis and allergic rhinitis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by Ref



Immunofluorescence analysis of HUVEC cells, using Histamine H1 Receptor (Phospho-Ser398) Antibody. The picture on the right is blocked with the phospho peptide.

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