

产品名称: Histamine H1 Receptor Rabbit Polyclonal Antibody
产品货号: APRab12041



产品概述 (Summary)

产品名称 (Production Name)	Histamine H1 Receptor Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HRH1
别名 (Alternative Names)	HRH1; Histamine H1 receptor; H1R; HH1R
基因 ID (Gene ID)	3269.0
蛋白 ID (SwissProt ID)	P35367. The antiserum was produced against synthesized peptide derived from human HRH1. AA range: 141-190

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	60kDa

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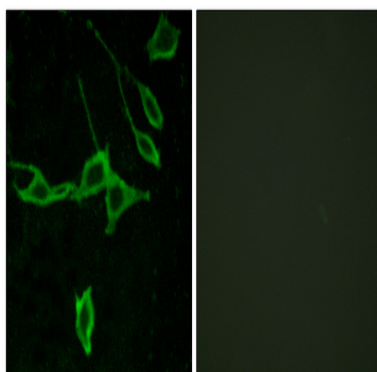
研究背景 (Background)

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 Refunction:In peripheral tissues, the H1 subclass of histamine receptors mediates the contraction of smooth muscles, increase in capillary permeability due to contraction of terminal venules, and catecholamine release from adrenal medulla, as well as mediating neurotransmission in the central nervous system.,PTM:Potential sites of phosphorylation in the third cytoplasmic loop may play an important role in regulating signal transduction through the receptor molecule.,similarity:Belongs to the G-protein coupled receptor 1 family.,

研究领域 (Research Area)

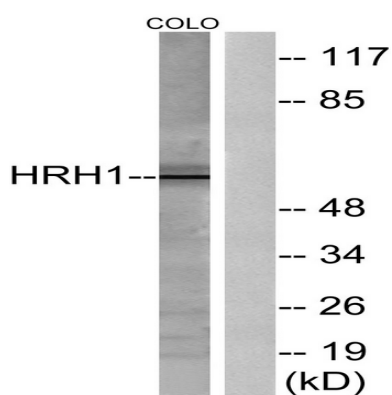
Calcium;Neuroactive ligand-receptor interaction;

图片 (Image Data)

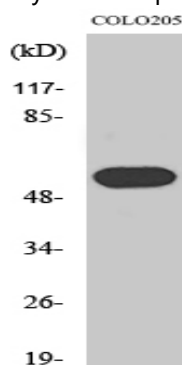


Immunofluorescence analysis of LOVO cells, using HRH1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COLO205 cells, using HRH1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Histamine H1 Receptor Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .