

产品名称: Histamine H3 Receptor Rabbit Polyclonal Antibody
产品货号: APRab12043



产品概述 (Summary)

产品名称 (Production Name)	Histamine H3 Receptor Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

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)	HRH3
别名 (Alternative Names)	HRH3; GPCR97; Histamine H3 receptor; H3R; HH3R; G-protein coupled receptor 97
基因 ID (Gene ID)	11255.0
蛋白 ID (SwissProt ID)	Q9Y5N1.The antiserum was produced against synthesized peptide derived from human HRH3. AA range:291-340

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	49kDa

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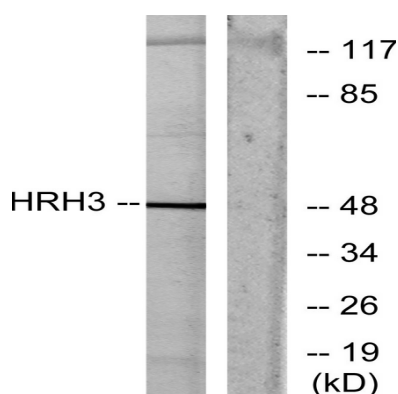
研究背景 (Background)

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. 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], alternative products: Additional isoforms seem to exist, 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., miscellaneous: Does not bind to cimetidine and triprolidine. Shows modest affinity for thioperamide, imetit, N-alpha-methylhistamine and R(-)-alpha-methylhistamine. Isoform 4 is unable to bind to iodoproxyfan while isoforms 1 and 3 bind it with high affinity., similarity: Belongs to the G-protein coupled receptor 1 family., tissue specificity: 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.,

研究领域 (Research Area)

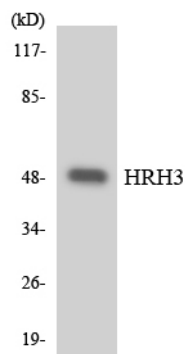
Neuroactive ligand-receptor interaction;

图片 (Image Data)

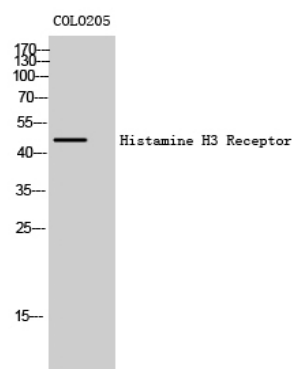


Western blot analysis of lysates from COLO205 cells, using HRH3 Antibody. The lane on the right is blocked with the synthesized peptide.

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



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

注意事项 (Note)

For research use only .