

DATASHEET

Histamine H4 Receptor Rabbit Polyclonal Antibody

CAT. NO. APA15853

KEY FEATURES

Target	Histamine H4 Receptor	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

G protein-coupled receptor primarily expressed in immune cells such as mast cells, eosinophils, basophils, dendritic cells and neutrophils that plays a key role in immune and inflammatory responses . Mediates chemotaxis of immune cells to sites of inflammation or injury by responding to histamine . Activation by histamine also influences the release of proinflammatory cytokines such as TNF, CCL4, IL6 and IFN-gamma . Ligand binding induces a conformation change that triggers signaling via G(i)/GNAI1 leading to decreased intracellular cAMP levels by inhibiting adenylate cyclase activity . In addition, plays a role in the control of renal reabsorption processes, particularly albumin uptake .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

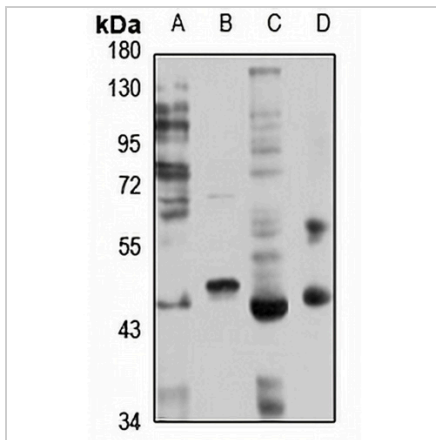
Description	Rabbit polyclonal antibody to Histamine H4 Receptor
Specificity	Recognizes endogenous levels of Histamine H4 Receptor protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Histamine H4 Receptor. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 34; Observed: 44 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GPCR105; Histamine H4 receptor; H4R; HH4R; AXOR35; G-protein coupled receptor 105; GPRv53; Pfi-013; SP9144
Gene Symbol	HRH4
Entrez Gene	59340(Human); 225192(Mouse); 170704(Rat)
SwissProt	Q9H3N8(Human); Q91ZY2(Mouse); Q91ZY1(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Histamine H4 Receptor expression in Raji (A), HT29 (B), mouse liver (C), rat kidney (D) whole cell lysates. (Predicted band size: 34; 44 kD; Observed band size: 44 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.