

Datasheet for ABIN7043270
anti-HRH2 antibody (2nd Extracellular Loop)

3 Images

[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	HRH2
Binding Specificity:	2nd Extracellular Loop, AA 161-173
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: RNGTRGGNDTFKC, corresponding to amino acids 161-173 of rat HRH2
Isotype:	IgG
Cross-Reactivity (Details):	Will not recognize human histamine H2 receptor.
Characteristics:	Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody is directed against an epitope of rat histamine H2 receptor. Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody (ABIN7043270, ABIN7044507 and ABIN7044508)) can be used in western blot, indirect flow cytometry, immunohistochemistry, and immunocytochemistry applications. The antibody recognizes an extracellular epitope and is thus ideal for detecting the receptor in living cells. It has been designed to recognize H2R from rat and mouse samples. It will not recognize human H2R.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: HRH2

Alternative Name: Histamine H2 Receptor (HRH2) ([HRH2 Products](#))

Background: Alternative names: Histamine H2 Receptor (HRH2), H2R, HH2R, Gastric receptor I, Gastric receptor 1

Gene ID: 25461

NCBI Accession: [NM_001131055](#)

UniProt: [P25102](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

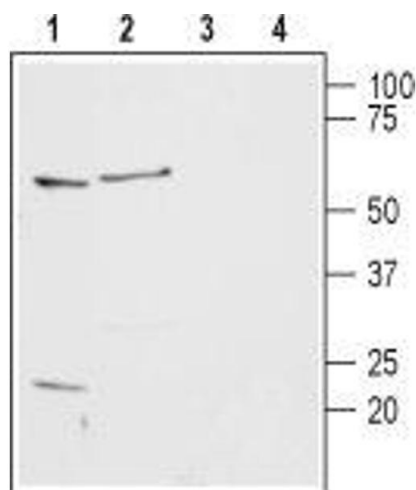
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



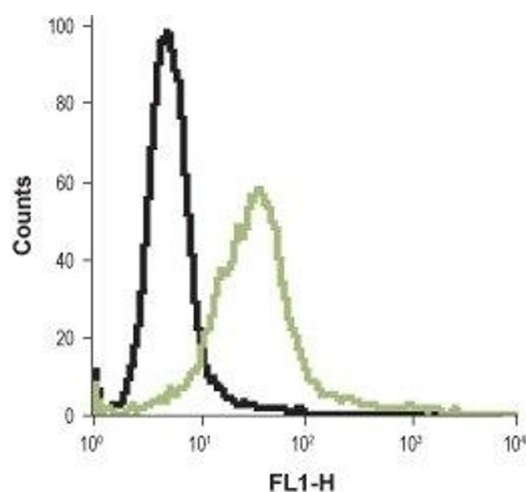
Western Blotting

Image 1. Western blot analysis of rat basophilic leukemia cells (RBL) (lanes 1 and 3) and rat brain lysates (lanes 2 and 4): - 1,2. Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody (ABIN7043270, ABIN7044507 and ABIN7044508), (1:200). 3,4. Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody, preincubated with Histamine H2 Receptor/HRH2 (extracellular) Blocking Peptide (#BLP-HR002).



Immunohistochemistry

Image 2. Expression of Histamine H2 receptor in rat stomach - Immunohistochemical staining of paraffin embedded section of rat stomach using Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody (ABIN7043270, ABIN7044507 and ABIN7044508), (1:100). H2R (brown staining) is expressed in parietal cells (arrows) of the gastric glands. Hematoxylin is used as the counterstain.



Flow Cytometry

Image 3. Cell surface detection of Histamine H2 receptor in live intact rat basophilic leukemia cell lines: (black line) Unstained cells + goat-anti-rabbit-FITC. (green line) Cells + Anti-Histamine H2 Receptor (HRH2) (extracellular) Antibody (ABIN7043270, ABIN7044507 and ABIN7044508), (1:20) + goat-anti-rabbit-FITC.