bs-10993R **[Primary Antibody]**

HRH4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 225192 **SWISS:** Q91ZY2

Target: HRH4

Immunogen: KLH conjugated synthetic peptide derived from mouse HRH4: 101-200/391. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by a family of histamine receptors, which are a subset of the G-protein coupled receptor superfamily. This gene encodes a histamine receptor that is predominantly expressed in haematopoietic cells. The protein is thought to play a role in inflammation and allergy reponses. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

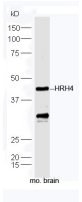
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Rat)

Predicted MW.: 44 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Protein: brain(mouse) lysate at 40ug; Primary: rabbit Anti-HRH4 (bs-10993R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size: 44 kD Observed band size: 44 kD

SELECTED CITATIONS

- **[IF=12.8]** Jordan R. Yaron. et al. Histamine receptor agonism differentially induces immune and reparative healing responses in biomaterial-facilitated tissue repair. BIOMATERIALS. 2025 Apr;315:122967 IHC,IF ;Mouse,Human. 39586217
- **[IF=6.986]** Bando, Kanan. et al. Histamine acts via H4-receptor stimulation to cause augmented inflammation when lipopolysaccharide is co-administered with a nitrogen-containing bisphosphonate. INFLAMM RES. 2022 Oct;:1-15 IHC ;Mouse. 36308538
- **[IF=6.038]** Liao, Xiaodan. et al. Fullerene nanoparticles for the treatment of ulcerative colitis. 2021 Nov 02 WB ;Rat. 34735681