

## Product datasheet for **TA308494**

### HRH3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Rat, Rabbit, Guinea Pig, Rhesus Monkey, Mouse)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 293 and 387 of Histamine H3 Receptor (Uniprot ID#Q9Y5N1)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Affinity purified by Protein A.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49 kDa
Gene Name:	histamine receptor H3
Database Link:	<a href="#">NP_009163</a> <a href="#">Entrez Gene 85268 Rat</a> <a href="#">Entrez Gene 99296 Mouse</a> <a href="#">Entrez Gene 11255 Human Q9Y5N1</a>
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]
Synonyms:	GPCR97; HH3R



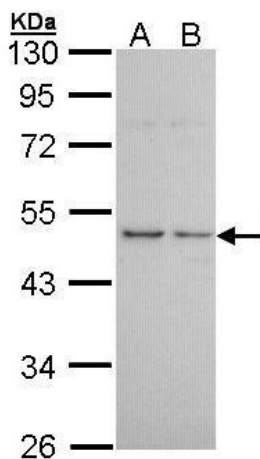
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**Note:** Seq homology of immunogen across species: Mouse (87%), Rat (87%), Rabbit (85%), Rhesus Monkey (100%), Guinea pig (87%)

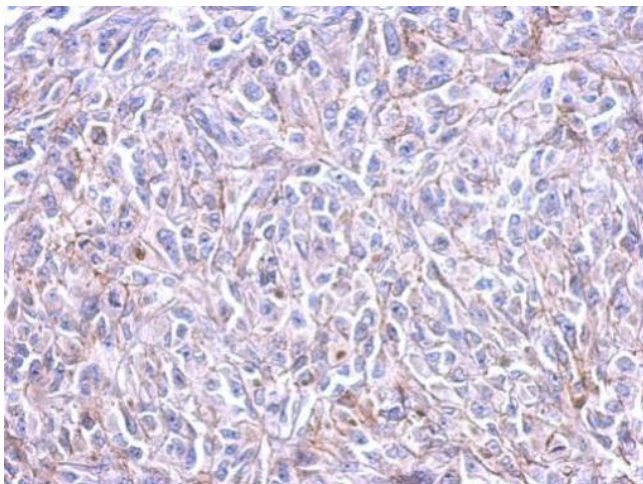
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Product images:**



Sample (30 ug of whole cell lysate). A: A431. B: H1299. 10% SDS PAGE. TA308494 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded HeLa xenograft, using Histamine H3 Receptor (TA308494) antibody at 1:500 dilution.