

Product datasheet for **AP23217PU-N**

HRH1 (C-term) Goat Polyclonal Antibody

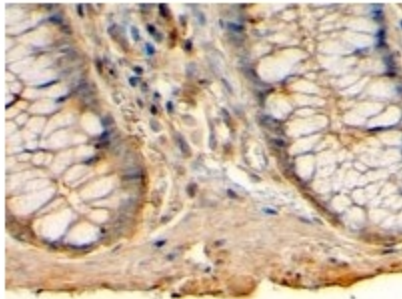
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Peptide ELISA: 1/32000 (Detection Limit) Immunohistochemistry on Paraffin Sections: 4-6 µg/ml In paraffin embedded Human Colon shows membranous staining. 5 µg/ml In paraffin embedded Human Small Intestine. Western blot: Preliminary experiments gave bands at approx 55kDa and 37kDa in Human Duodenum lysate after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 37kDa band we observe given the calculated size of 55.8kDa according to NP_000852.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional band).
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the C Terminus of the protein sequence according to NP_000852.1; NP_001091681.1; NP_001091682.1; NP_001091683.1.
Specificity:	Recognizes Histamine H1 receptor (C-term).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	histamine receptor H1
Database Link:	Entrez Gene 15465 Mouse Entrez Gene 24448 Rat Entrez Gene 3269 Human P35367
Background:	Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. The histamine H1 receptor (HRH1) is an integral membrane protein and belongs to the family 1 of G protein-coupled receptors. It mediates the contraction of smooth muscles, increase in capillary permeability due to contraction of terminal venules, catecholamine release from adrenal medulla, and mediates neurotransmission in the central nervous system.
Synonyms:	HRH1, HR-H1, Histamine H1 receptor
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

Product images:

Histamine H1 Receptor antibody staining of Paraffin Embedded Human Colon at 4 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.