

## Goat anti-Histamine Receptor H2 Antibody

**Item Number** dAP-0715

**Target Molecule** Principle Name: Histamine Receptor H2; Official Symbol: HRH2; All Names and Symbols: HRH2; histamine receptor H2; HGNC:5183; H2R; gastric receptor 1; OTTHUHMP00000161242; Accession Number (s): NP\_071640.1; NP\_001124527.1; Human Gene ID(s): 3274; Non-Human GenID(s):

**Immunogen** QEEKPLKLQVWSGTE, is from C Terminus  
This antibody is expected to recognise both reported isoforms.

**Applications** Pep ELISA, IHC, IF

Species Tested: Rat

**Purification** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Supplied As** lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.  
Aliquot and store at -20°C. Minimize freezing and thawing.

**Peptide ELISA** Peptide ELISA: antibody detection limit dilution 1 to 128000.

**Western Blot** Western Blot: Preliminary experiments gave bands at approx 55kDa and a stronger 28kDa in Human Colon and Duodenum lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe

**IHC** Immunohistochemistry: **Immunofluorescence:** This antibody was successfully used on coronal rat brain slices as reported in Peng et al, Neurosci Lett. 2013 Apr 29;541:87-92. PMID:23466693.

**Reference** Reference(s): Nakane H, Sonobe Y, Watanabe T, Nakano K. Histamine: its novel role as an endogenous regulator of Con A-dependent T cell proliferation. Inflamm Res. 2004 Jul;53(7):324-8. Epub 2004 Jun 25. PMID: 15241568 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**