

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; OTTHUMP00000161242; Accession Number (s): NP_071640.1; NP_001124527.1; Human Gene ID(s): 3274; Non-Human GeneID(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 ender users! This product is sold for **Research Use Only**