

EUD801**Polyclonal Antibody to Histamine - Serum**

Quantity:	50 µl
Background:	Histamine is a neurotransmitter in the central nervous system as well as a mast cell constituent. In addition, histamine is produced by endocrine cells (ECL-cells) in the oxyntic mucosa of the stomach.
Host:	Rabbit
Immunogen:	Histamine conjugated to HSA.
Format:	State: Lyophilized Undiluted Serum Reconstitution: Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1M PBS with 1% BSA and 0.09% Sodium Azide.
Applications:	Immunofluorescence: 1/300-1/600 overnight at 2-8°C. Immunohistochemistry on Frozen and Paraffin Sections: 1/1500-1/2000 (PAP). Positive Control: Cryostat sections of carbodiimide fixed Human skin or freeze-dried paraffin-sections (vapor fixed in diethylpyrocarbonate, DEPC) of Rat stomach. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Histamine. Absorption with 10-100 µg Histamine per ml diluted antiserum abolishes the staining, while Nordrenaline, 5-HT, VIP, Glucagon and Histidine do not. Species: Human, Rat. Other species not tested.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Håkanson R, Böttcher G, Ekblad E, Panula P, Simonsson M, Dohlsten M, et al. Histamine in endocrine cells in the stomach. A survey of several species using a panel of histamine antibodies. <i>Histochemistry</i> . 1986;86(1):5-17. PubMed PMID: 2878908. 2. Axelsson J, Ekelund M, Sundler F, Håkanson R. Enhanced hyperplasia of gastric enterochromaffinlike cells in response to omeprazole-evoked hypergastrinemia in rats with portacaval shunts. An immunocytochemical and chemical study. <i>Gastroenterology</i> . 1990 Sep;99(3):635-40. PubMed PMID: 2379770. 3. Lönroth H, Håkanson R, Lundell L, Sundler F. Histamine containing endocrine cells in the human stomach. <i>Gut</i> . 1990 Apr;31(4):383-8. PubMed PMID: 2186979. 4. Johansson O, Virtanen M, Hilliges M, Yang Q. Histamine immunohistochemistry: a new and highly sensitive method for studying cutaneous mast cells. <i>Histochem J</i> . 1992 May;24(5):283-7. PubMed PMID: 1607297.