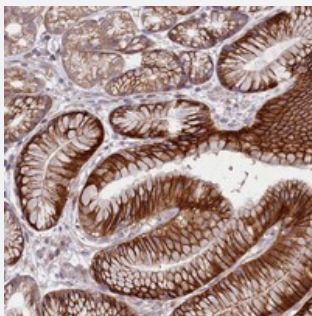


HDC polyclonal antibody

Catalog # PAB23358 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with HDC polyclonal antibody (Cat # PAB23358) shows strong cytoplasmic and membranous positivity in glandular cells at 1:20-1:50 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant HDC.
Immunogen	Recombinant protein corresponding to amino acids of human HDC.
Sequence	PALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKMLGLPEHFLHHHPSSQGGG VLQSTVSESTLIALLAARKNKILEMKTSEPDADSECLNARLVAYASDQAHSSVEK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — HDC

Entrez GeneID[3067](#)**Protein Accession#**[P19113](#)**Gene Name**

HDC

Gene Alias

MGC163399

Gene Description

histidine decarboxylase

Omim ID[142704](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The biogenic amine histamine is an important modulator of numerous physiologic processes, including neurotransmission, gastric acid secretion, and smooth muscle tone. The biosynthesis of histamine from histidine is catalyzed by the enzyme L-histidine decarboxylase (HDC; EC 4.1.1.22). This homodimeric enzyme is a pyridoxal phosphate (PLP)-dependent decarboxylase and is highly specific for its histidine substrate.[supplied by OMIM]

Other Designations

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Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Histidine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cognition](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)