

## Datasheet

### HDC polyclonal antibody

**Catalog Number:** PAB23358

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against recombinant HDC.

**Immunogen:** Recombinant protein corresponding to amino acids of human HDC.

**Sequence:**

PALTSWPSLLGDMLADAINCLGFTWASSPACTELEMN  
VMDWLAKMLGLPEHFLHHHPSSQGGGVLQSTVSEST  
LIALLAARKNKILEMKTSEPDADSECLNARLVAYASDQ  
AHSSVEK

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IHC-P

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**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 7.5 (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.

**Entrez GeneID:** 3067

**Gene Symbol:** HDC

**Gene Alias:** MGC163399

**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]