

## Rabbit Anti-HDC antibody

SL1054R

**Product Name** HDC

**Chinese Name** L-组氨酸脱羧酶抗体

**Alias** L-Histidine decarboxylase; EC 4.1.1.22; HDC; L-HDC; Histidine decarboxylase; DCHS\_HUMAN.

**Research Area** immunology Kinases and Phosphatases

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, (predicted: Mouse, Rat, Chicken, Dog, Pig, Cow, )

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 74kDa

**Cellular localization** cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human HDC: 351-450/662

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product** Histidine decarboxylase(HDC) is the enzyme that calalyses the conversion of histidine

## Detail

into histamine. It can be found in the histamine secreting ECL cells of some species, as well as in the mast cells. The biogenic amine histamine is an important modulator of numerous physiological processes, including neurotransmission, gastric acid secretion and smooth muscle tone.

### Function:

Catalyzes the biosynthesis of histamine from histidine.

### Subunit:

Homodimer.

### Similarity:

Belongs to the group II decarboxylase family.

### SWISS:

P19113

### Gene ID:

3067

### Database links:

[Entrez Gene: 3067](#) Human

[Entrez Gene: 15186](#) Mouse

[Entrez Gene: 24443](#) Rat

[Omim: 142704](#) Human

[SwissProt: P19113](#) Human

[SwissProt: P23738](#) Mouse

[SwissProt: P16453](#) Rat

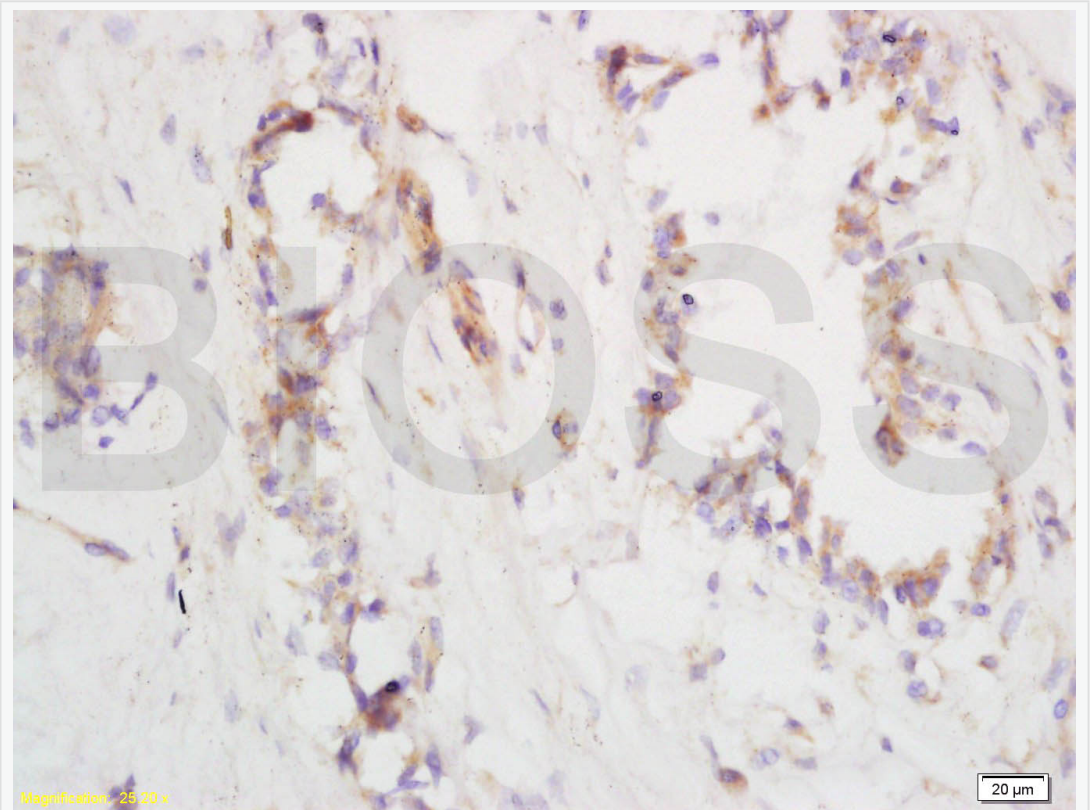
[Unigene: 1481](#) Human

[Unigene: 18603](#) Mouse

[Unigene: 48653](#) Rat

主要用于多种变态反应及炎性浸润改变有关的研究。

**Product  
Picture**



Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-HDC Polyclonal Antibody, Unconjugated(SL1054R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining