



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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HDC:351-450/662
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Histidine decarboxylase(HDC) is the enzyme that catalyses the conversion of histidine 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

[Olim: 142704](#)Human

[SwissProt: P19113](#)Human

[SwissProt: P23738](#)Mouse

[SwissProt: P16453](#)Rat

[Unigene: 1481](#)Human

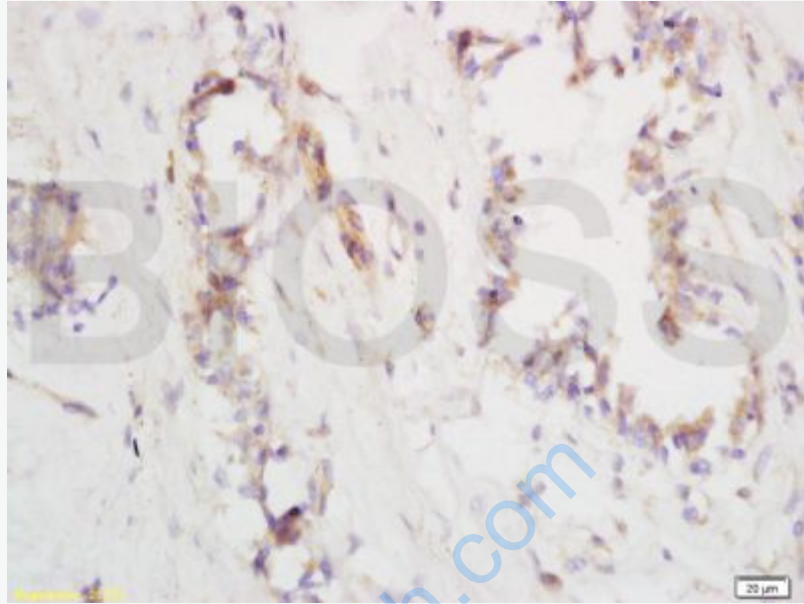
[Unigene: 18603](#)Mouse

[Unigene: 48653](#)Rat

Important Note:

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

主要用于多种变态反应及炎性浸润改变有关的研究。



Picture:

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

Antigen retrieval: citrate buffer (0.01M, 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