

HDC Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14174a**Specification**

HDC Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P19113
Other Accession	NP_002103.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74141
Antigen Region	147-178

HDC Antibody (N-term) - Additional Information**Gene ID** 3067**Other Names**

Histidine decarboxylase, HDC, HDC

Target/Specificity

This HDC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-178 amino acids from the N-terminal region of human HDC.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HDC Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

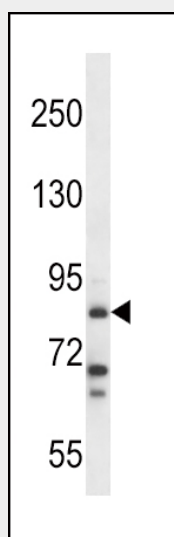
HDC Antibody (N-term) - Protein Information**Name** HDC**Function** Catalyzes the biosynthesis of histamine from histidine.

HDC Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HDC Antibody (N-term) - Images



HDC Antibody (N-term) (Cat. #AP14174a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the HDC antibody detected the HDC protein (arrow).

HDC Antibody (N-term) - Background

This gene encodes a member of the group II decarboxylase family and forms a homodimer that converts L-histidine to histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion, inflammation, and smooth muscle tone.

HDC Antibody (N-term) - References

Gervasini, G., et al. Allergy (2010) In press :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ercan-Sencicek, A.G., et al. N. Engl. J. Med. 362(20):1901-1908(2010)
Jeong, H.J., et al. Cell. Mol. Life Sci. 66(7):1309-1319(2009)
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