

## Product datasheet for **EUD2601**

### Histidine decarboxylase (HDC) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Immunocytochemistry:</b> 1/1000-1/1500 with overnight incubation at 2-8°C. <b>Immunohistochemistry on Frozen Sections:</b> 1/2,000-1/5,000. <b>Immunohistochemistry on Paraffin Embedded Tissues:</b> 1/2,000-1/5,000 (microwave treatment recommended) <b>Positive Control:</b> Stefanini-fixed frozen sections of Rat fundus. <b>Western blot:</b> 1/1,000-1/5,000. <i>The antiserum detects the 54 kDa and 73 kDa forms in addition to a 63 kDa form (Rat stomach - See Dartsch et al., 1998).</i>
Reactivity:	Canine, Guinea Pig, Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Histidine Decarboxylase produced in <i>E.coli</i> .
Specificity:	This antibody reacts with HDC. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining.
Formulation:	State: Serum State: Undiluted Lyophilized Serum
Reconstitution Method:	Restore in 100 µl distilled water
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	histidine decarboxylase
Database Link:	<a href="#">Entrez Gene 3067 Human P19113</a>



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**Background:** 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.

**Synonyms:** HDC