

Product datasheet PS260

**MONOSAN**<sup>®</sup>

Polyclonal Rabbit anti-Histidine Decarboxylase

Clone no. -

MONOSAN

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Product name	Polyclonal Rabbit anti-Histidine Decarboxylase
Host	Rabbit
Applications	IHC-fr, IHC-P (1:200-1:300), IF, WB (1:4000-1:8000)
Species reactivity	Dog, Guinea pig, Human, Mouse, Rat
Conjugate	-
Immunogen	Recombinant histidine decarboxylase produced in E. coli
Isotype	-
Clonality	Polyclonal
Clone number	-
Size	50 µl (lyoph.)
Concentration	n/a
Format	-
Storage buffer	Lyophilized; reconstitute in 500 µl dist. water
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

Histidine decarboxylase (HDC) is the enzyme catalyzing the conversion of histidine into histamine. HDC can be found in the histamine secreting ECL cells of some species as well as in the mast cells. Absorption with 10-100 ug immunogen per ml diluted antiserum abolishes the staining. In Western blot the antiserum detects the 54 kDa and 73 kDa forms in addition to a 63 kDa form (rat stomach, see Dartsch et al., 1998). Positive control: Stefanini-fixed frozen sections of rat fundus.

Dartsch, C., Chen, D. & Persson, L. Multiple forms of rat stomach histidine decarboxylase may reflect posttranslational activation of the enzyme. Regul. Pept. 77, 33-41 (1998).

**References**

1. Dartsch, C. et al. Histochem. J. 1999; 31: 507-14
2. Lindström, E. et al. Regul. Pept. 1997; 71: 73-86
3. Yu, X. et al. Sleep 2019; 42
4. Dartsch, C. et al. Regul. Pept. 1998; 77: 33-41
5. Liu, K. et al. Nature 2017; 548: 582-587

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