Anti-Histidine Decarboxylase

Catalog No. 16045

Quantity 50 μl

Source rabbit polyclonal

Immunogen recombinant histidine decarboxylase produced in E. coli

UniProt ID P19113

Reactivity human, rat, mouse, dog and guinea pig

Purification undiluted rabbit serum

Conjugate unconjugated

Formulation lyophilized, contains 0.09% sodium azide; Reconstitution: dissolve the antiserum in 50 - 100 μl distilled water, and dilute further in PBS with 1% BSA

Storage short term at 2 – 8 °C; long term storage in aliquots at -20 °C; avoid freeze/ thaw cycles

Tested Applications

IF assay dependent

IHC (FFPE) 1:1000 – 1:1500 (microwave treatment recommended)

IHC (frozen) 1:1000 – 1:1500

WB assay dependent

Background

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 μg immunogen per ml diluted antiserum abolishes the staining. In Western blot the antiserum detects the 54 kD and 73 kD forms in addition to a 63 kD form (rat stomach, see Dartsch et al., 1998).

Positive control: Stefanini-fixed frozen sections of rat fundus.

References


2. Dartsch, C., Sundler, F. & Persson, L. Antisera against rat recombinant histidine decarboxylase:


