

HDC Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251425

Unit: 0.1 mg

Description:

Histidine decarboxylase (HDC) is the enzyme that catalyzes the reaction that produces histamine from histidine with the help of vitamin B6 as follows: $C_6H_9N_3O_2 \rightarrow C_5H_9N_3 + CO_2$. In humans, the histidine decarboxylase enzyme is encoded by the HDC gene. The biogenic amine histamine is an important modulator of numerous physiologic processes, including neurotransmission, gastric acid secretion, and smooth muscle tone. The biosynthesis of histamine from histidine is catalyzed by the enzyme L-histidine decarboxylase. This homodimeric enzyme is a pyridoxal phosphate (PLP)-dependent decarboxylase and is highly specific for its histidine substrate.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

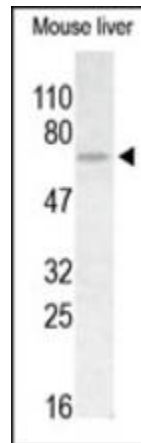
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1 mg/ml BSA, 25% glycerol with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: L-HDC; HDC; Histidine decarboxylase

Accession No.: P19113

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human HDC.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



The HDC Antibody (Cat. No. 251425) is used in Western blot to detect HDC in rat liver tissue lysate.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.