Polyclonal Antibody to Histidine Decarboxylase

Category                    Rabbit polyclonal
Form/Purification           Undiluted rabbit serum (lyoph.)
Immunogen                   Recombinant histidine decarboxylase produced in E. coli
Description/Specificity     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, cf. Dartsch et al., 1998).
Positive Control            Stefanini-fixed frozen sections of rat fundus
Species tested so far       Human, rat, mouse, dog and guinea pig
Application                 • Immunofluorescence microscopy
                              • Suitable for paraffin and frozen sections
                              • Western blotting
Reconstitution              Dissolve the antiserum in 50 - 100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA
Working Dilution            1:1000 – 1:1500 for immunofluorescence microscopy with overnight incubation at 2-8°C.
Storage                     At 2-8°C (lyoph.); reconstituted in small aliquots at -20°C
Quantity / Volume           50 µl (lyoph., contains 0.09% sodium azide)

References

Cat. No.                    16045