

MaxPab®

HDC purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003067-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HDC protein.
Immunogen	HDC (ADR83232.1, 1 a.a. ~ 662 a.a) full-length human protein.
Sequence	MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSWDSIFGDIERII MPGVVHWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKML GLPEHFLHHHPSSQGGGVLQSTVSESTLIALLAARKNKILEMKTSEPDADDESCLNARLVAYASDQ AHSSVEKAGLISLVKMKFLPVDDNFSRLRGEALQKAIEEDKQRGLVPVFVCATLGTTGVCAFDCLS ELGPICAREGLWLHIDAAYAGTAFLCPEFRGFLKGIEYADSFTFNPSKWMVMVHFDCTGFVWKDKY KLQQTFSVNPMLRHANSVATDFMHWQIPLSRRFRSVKLWVFVRSFGVKNLQAHVRHGTEMAKY FESLVRNDPSFEIPAKRHLGLVVFRLKGPNCLETENVLKEIAKAGRLFLPATIQDKLIIRFTVTSQFTT RDDILRDWNLIRDAATLILSQHCTSQPSPRVGNLISQIRGARAWACGTSLSQSVGAGDDPVQARKII KQPQRVGAGPMKRENGLHLETLLDPVDDCFSEEAPDATKHKLSSFLFSYLSVQTKKKTVRSLSC NSVPVSAQKPLPTEASVKNGGSSRVRFISRFPEMMMLKKSAFKKLIKFYSPSFPECSSQCGL QLPCCPLQAMV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — HDC

Entrez GeneID [3067](#)

GeneBank Accession# [HQ258478.1](#)

Protein Accession# [ADR83232.1](#)

Gene Name HDC

Gene Alias MGC163399

Gene Description histidine decarboxylase

Omim ID [142704](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 (HDC; EC 4.1.1.22). This homodimeric enzyme is a pyridoxal phosphate (PLP)-dependent decarboxylase and is highly specific for its histidine substrate.[supplied by OMIM]

Other Designations -

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Histidine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cognition](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)