

DNAxPAb

Hard-to-Find
Antibody

HDC DNAxPab

Catalog # H00003067-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human HDC DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MMEPEEYRERGREMVDYICQYLSTVRERRVMPDVQPGYLRAQLPESAPEDPDSWDSIFGDIERII
MPGVVHWQSPHMHAYYPALTSWPSLLGDMLADAINCLGFTWASSPACTELEMNVMDWLAKML
GLPEHFLHHHPSSQGGGVLQSTVSESTLIALLAARKNKILEMKTSEPDADESCINARLVAYASDQ
AHSSVEKAGLISLVKMKFLPVDDNFSLRGEALQKAIEEDKQRGLVPVFVCATLGTTGVCAFDCLS
ELGPICAREGLWLHIDAAYAGTAFLCPEFRGFLKGIEYADSFTFNPSKMMMVFHDCTGFVWKDKY
KLQQTFSVNPMLRHANSGVATDFMHWQIPLSRRFRSVKLWFVIRSFVKNLQAHVRHGTEMAKY
FESLVRNDPSFEIPAKRHLGLVVFRLKGPNCLETENVLKEIAKAGRLFLIPATIQDKLIIRFTVTSQFTT
RDDILRDWNLIRDAATLILSQHCTSQSPSRVGNLISQIRGARAWACGTSLSQSVSGAGDDPVQARKII
KQPQRVGAGPMKRENGHLETLTLDPVDDCFSEEAPDATKHKLSSFLFSYLSVQTKKKTVRSLSC
NSVPVSAQKPLPTEASVKNGGSSRVIRFSRFPEDMMMLKKSAFKKLIKFSVPSFPECSSQCGL
QLPCCPLQAMV

Host Rabbit

Reactivity Human

Purification Protein A

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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)