



Rabbit anti-Human Histidine Decarboxylase Polyclonal antibody (DPAb2298RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Histidine Decarboxylase
Antigen Description	This gene encodes a member of the group II decarboxylase family and forms a homodimer that converts L-histidine to histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion, inflammation, and smooth muscle tone.
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 antis
Immunogen	Recombinant histidine decarboxylase produced in E. coli
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IF, WB
Positive Control	Stefanini-fixed frozen sections of rat fundus.
Format	Undiluted rabbit serum (lyoph.)
Size	50 µl
Buffer	Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA.

Preservative	None
Storage	At 2-8°C (lyoph.); reconstituted in small aliquots at -20°C

GENE INFORMATION

Gene Name	HDC histidine decarboxylase [Homo sapiens]
Official Symbol	HDC
Synonyms	HDC; histidine decarboxylase; EC 4.1.1.22; MGC163399; OTTHUMP00000162415; EC 4.1.1
Entrez Gene ID	3067
Protein Refseq	NP_002103
UniProt ID	P19113
Chromosome Location	15q21-q22
Pathway	Biogenic Amine Synthesis; Histidine metabolism; Metabolic pathways
Function	amino acid binding; histidine decarboxylase activity; lyase activity; pyridoxal phosphate binding