

**ARG66436**  
anti-HDC / Histidine decarboxylase antibodyPackage: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HDC / Histidine decarboxylase
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HDC / Histidine decarboxylase
Species	Human
Immunogen	Synthetic peptide around the internal region of Human HDC.
Conjugation	Un-conjugated
Alternate Names	HDC; Histidine decarboxylase; EC 4.1.1.22

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: High-pressure and temperature EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	74, 50 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

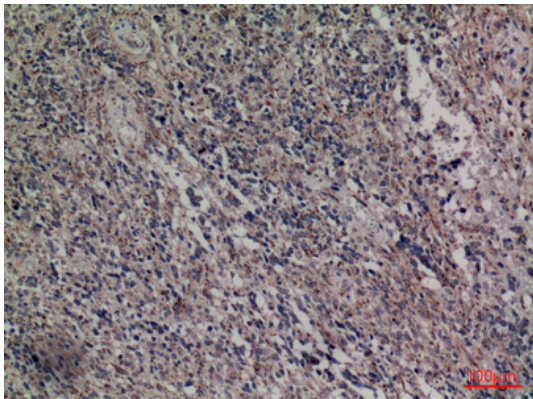
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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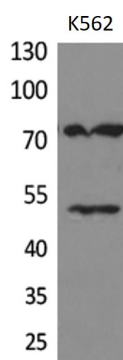
Gene Symbol	HDC
Gene Full Name	histidine decarboxylase
Background	This gene encodes a member of the group II decarboxylase family and forms a homodimer that converts L-histidine to histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion, inflammation, and smooth muscle tone. [provided by RefSeq, Aug 2010]
Function	Catalyzes the biosynthesis of histamine from histidine. [UniProt]
Calculated Mw	74 kDa

## Images



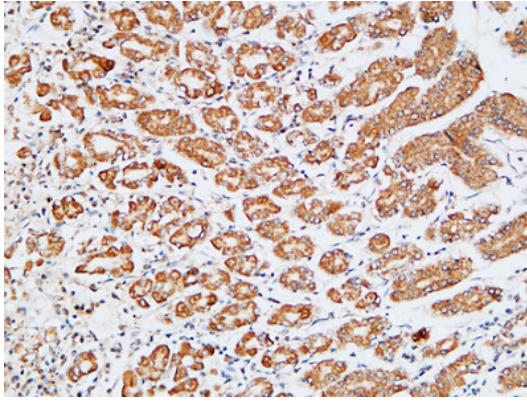
ARG66436 anti-HDC / Histidine decarboxylase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain stained with ARG66436 anti-HDC / Histidine decarboxylase antibody at 1:100 dilution.



ARG66436 anti-HDC / Histidine decarboxylase antibody WB image

Western blot: K562 cell lysate stained with ARG66436 anti-HDC / Histidine decarboxylase antibody.



ARG66436 anti-HDC / Histidine decarboxylase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach stained with ARG66436 anti-HDC / Histidine decarboxylase antibody at 1:200, 4°C and overnight. Antigen Retrieval: High-pressure and temperature EDTA buffer (pH 8.0).