

## ARG59693 anti-HDC / Histidine decarboxylase antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes HDC / Histidine decarboxylase
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog, Pig
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HDC / Histidine decarboxylase
Species	Human
Immunogen	Synthetic peptide around the internal region of Human Histidine decarboxylase. (NP_002103.2, C-TVTSQFTTRDDILR)
Conjugation	Un-conjugated
Alternate Names	HDC; Histidine decarboxylase; EC 4.1.1.22

### Application Instructions

Application table	Application	Dilution
	WB	0.01 - 0.03 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 60 - 70 kDa double band	

### Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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 or below. 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.

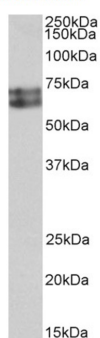
## Bioinformation

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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

Human cerebellum



ARG59693 anti-HDC / Histidine decarboxylase antibody WB image

Western blot: 35 µg of Human cerebellum lysate (in RIPA buffer) stained with ARG59693 anti-HDC / Histidine decarboxylase antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.