Product Name: HDC Rabbit Polyclonal Antibody
Catalog #: APRab11956
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	72kDa

Antigen Information

Gene Name	HDC
Alternative Names	HDC; Histidine decarboxylase; HDC
Gene ID	3067.0
SwissProt ID	P19113
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human HDC. AA range:201-250

Background

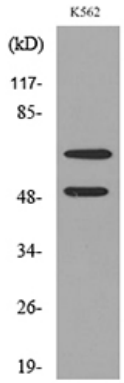
This gene encodes a member of the group II decarboxylase family and forms a homodimer that converts L-histidine to

histamine in a pyridoxal phosphate dependent manner. Histamine regulates several physiologic processes, including neurotransmission, gastric acid secretion,inflamation, and smooth muscle tone.[provided by RefSeq, Aug 2010],catalytic activity:L-histidine = histamine + CO(2).,cofactor:Pyridoxal phosphate.,pathway:Amine and polyamine biosynthesis; histamine biosynthesis; histamine from L-histidine: step 1/1.,similarity:Belongs to the group II decarboxylase family.,subunit:Homodimer.,

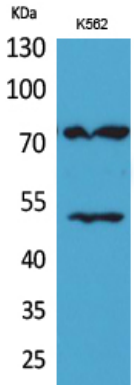
Research Area

Histidine metabolism;

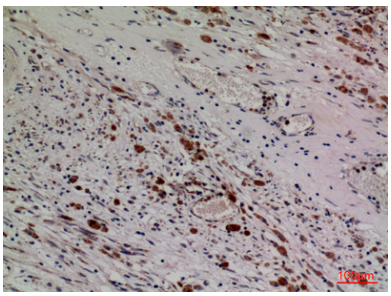
Image Data



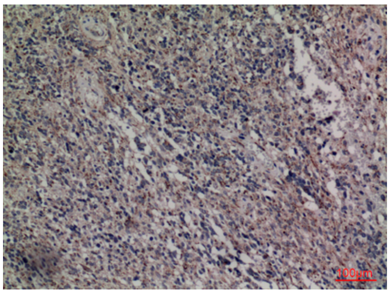
Western blot analysis of lysate from K562 cells, using HDC Antibody.



Western Blot analysis of K562 cells using HDC Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100



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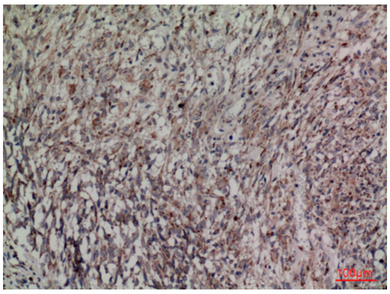

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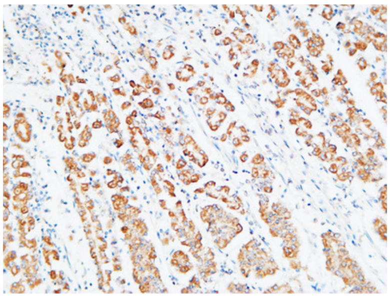
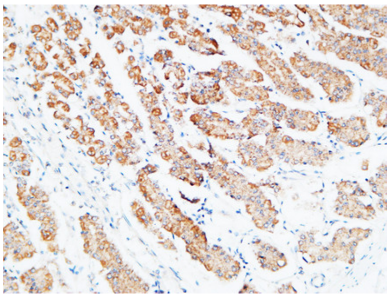


Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:200（4°,overnight）. 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 30min）.



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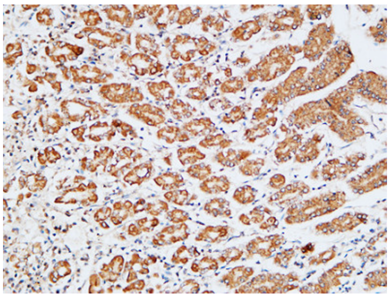

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