

**bs-1054R****[ Primary Antibody ]****HDC Rabbit pAb****BioSS**  
**ANTIBODIES**

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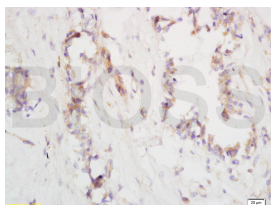
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Cow, Chicken, Dog)  <b>Predicted MW.:</b> 74 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3067	<b>SWISS:</b> P19113	
<b>Target:</b> HDC		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HDC: 351-450/662.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Histidine decarboxylase(HDC) is the enzyme that catalyses the conversion of histidine into histamine. It can be found in the histamine secreting ECL cells of some species, as well as in the mast cells. The biogenic amine histamine is an important modulator of numerous physiological processes, including neurotransmission, gastric acid secretion and smooth muscle tone.		

**— VALIDATION IMAGES —**

Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-HDC Polyclonal Antibody, Unconjugated(bs-1054R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=5.7]** Chengji Jin. et al. Contribution of cuproptosis and immune-related genes to idiopathic pulmonary fibrosis disease. FRONT. IMMUNOL...2025 Feb 7;16:1458341. IHC ;Human. 39991151