

Product Datasheet

Hepcidin Antimicrobial Peptide Antibody - BSA Free NBP1-59337

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-59337**Hepcidin Antimicrobial Peptide Antibody - BSA Free**

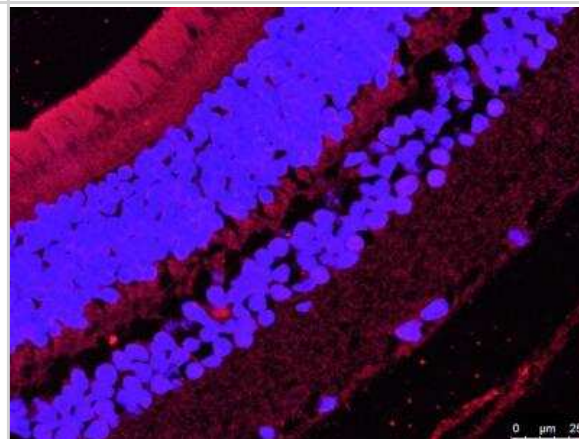
Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	9 kDa
Product Description	
Host	Rabbit
Gene ID	57817
Gene Symbol	HAMP
Species	Human, Mouse, Bovine
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26305890). Use in Bovine reported in scientific literature (PMID:31811823).
Immunogen	Synthetic peptides corresponding to HAMP(hepcidin antimicrobial peptide) The peptide sequence was selected from the N terminal of HAMP. Peptide sequence MALSSQIWAACLLLLLLASLTSGSVFPQQTGQLAELQPQDRAGARASWM. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry Paraffin (IHC-P) reported in verified customer review.

Images

Western Blot: Hepcidin Antimicrobial Peptide Antibody [NBP1-59337] - Human Spleen lysate, concentration 0.2-1 ug/ml.



Immunohistochemistry-Paraffin: Hepcidin Antimicrobial Peptide Antibody [NBP1-59337] - Paraffin embedded sections of posterior segment of mouse eye, red is Hepcidin and blue is Hoeschst. 4um sections were rehydrated with xylene, followed by a decreasing ethanol concentration gradient (100%, 90%, 70%) and a wash with diH2O. Heat-mediated antigen retrieval performed using EDTA buffer (10mM Trizma Base, 1mM EDTA solution, 0.05% Tween 20, pH 9.0) in an autoclave for 30min. Primary antibody against Hepcidin was diluted 1:10, in blocking solution containing 0.1% BSA, 0.05% Triton X-100, and 5% normal donkey serum in TBS. Sections were incubated for 48hrs at room temperature and then 24hrs at 4C. Tissues were washed with TBS-T (6x5min), and immunoreactivity for Hep was developed. Image from verified customer review.



Publications

Koo, J;Seong, CS;Parker, RE;Herrera, A;Dwivedi, B;Arthur, RA;Dinasarapu, AR;Johnston, HR;Claussen, H;Tucker-Burden, C;Ramalingam, SS;Fu, H;Zhou, W;Marcus, AI;Gilbert-Ross, M; Live-Cell Invasive Phenotyping Uncovers ALK2 as a Therapeutic Target in LKB1-Mutant Lung Cancer Cancer research 2024-08-29 [PMID: 39207369]

A Ashok, S Chaudhary, AE Kritikos, MH Kang, D McDonald, DJ Rhee, N Singh TGFbeta2-Hepcidin Feed-Forward Loop in the Trabecular Meshwork Implicates Iron in Glaucomatous Pathology Invest. Ophthalmol. Vis. Sci., 2020-03-09;61(3):24. 2020-03-09 [PMID: 32182331]

Koo J, Seong CS, Parker RE et al. Live-cell invasive phenotyping uncovers the ALK2/BMP6 iron homeostasis pathway as a therapeutic vulnerability in LKB1-mutant lung cancer bioRxiv 2023-06-19 [PMID: 37398244] (Western Blot, In vivo assay)

Chaudhary S, Ashok A, Wise AS et al. Upregulation of brain hepcidin in prion diseases Prion 2021-12-01 [PMID: 34224321] (WB)

Ashok A, Chaudhary S, McDonald D, et al. Local synthesis of hepcidin in the anterior segment of the eye: A novel observation with physiological and pathological implications. Exp Eye Res 2019-12-04 [PMID: 31811823] (WB, Bovine)

Bose C, Megyesi JK, Shah SV et al. Evidence Suggesting a Role of Iron in a Mouse Model of Nephrogenic Systemic Fibrosis. PLoS One 2015-01-01 [PMID: 26305890] (WB, Mouse)



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Products Related to NBP1-59337

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00057817-P01-10ug	Recombinant Human Hepcidin Antimicrobial Peptide GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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