

# 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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Updated 9/9/2025 v.20.1

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

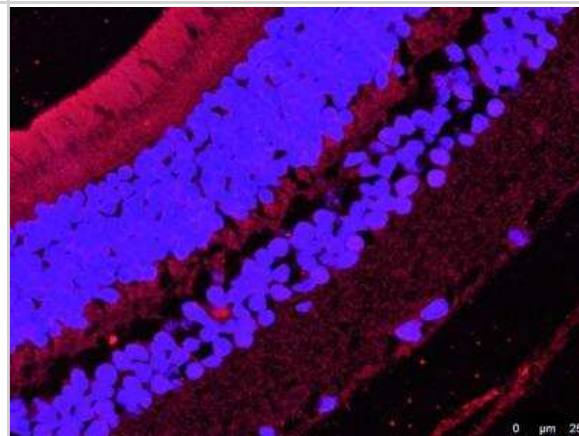
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, 2% Sucrose
<b>Target Molecular Weight</b>	9 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Hepcidin Antimicrobial Peptide Antibody - BSA Free (NBP1-59337) is a polyclonal antibody validated for use in IHC and WB. Anti-Hepcidin Antimicrobial Peptide Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	57817
<b>Gene Symbol</b>	HAMP
<b>Species</b>	Human, Bovine
<b>Reactivity Notes</b>	Use in Bovine reported in scientific literature (PMID:31811823).
<b>Immunogen</b>	Synthetic peptides corresponding to HAMP (hepcidin antimicrobial peptide) The peptide sequence was selected from the N terminal of HAMP. Peptide sequence MALSSQIWAACLLLLLLLLASLTSGSVFPQQTGQLAELQPQDRAGARASWM. The peptide sequence for this immunogen was taken from within the described region.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1.0 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Immunohistochemistry Paraffin (IHC-P) reported in verified customer review.

## Images

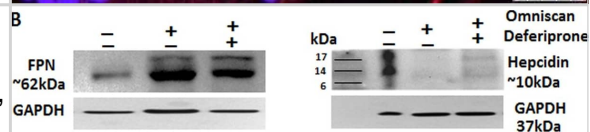
Western Blot: Hepcidin Antimicrobial Peptide Antibody [NBP1-59337] - Human Spleen lysate, concentration 0.2-1 ug/ml.



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.



Omniscan-induced cells express iron metabolism proteins.(A) Expression of ferroportin and other iron regulatory protein hepcidin by human PBMC treated with 0.5 mM Omniscan and deferiprone for 8 days, as shown by immunocytochemistry staining. Representative images are shown. Deferiprone treatment significantly decreased Omniscan-induced ferroportin expression as shown by western blot analysis (B) left panel. After Omniscan treatment, hepcidin expression was decreased in comparison to untreated cells (A) lower panels, (B) right panels, western blot. Omniscan treatment with deferiprone increased the expression slightly. Representative blots from 3 separate experiments are shown. Values are means +/-SD, obtained from 3 separate experiments, Significance of the data was determined by ANOVA, followed by paired-group comparisons. \*\*p <0.01, compared with control, \*p <0.05 (for hepcidin), \*\*p <0.01 (for ferroportin) deferiprone- and Omniscan-treated compared with Omniscan alone. (Scale bars 100 μm for all). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/26305890>), licensed under a CC0-1.0 license. Not internally tested by Novus Biologicals.



## Publications

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, Mouse)

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]

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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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