

# 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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 6 Publications: 6**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-59337](http://www.novusbio.com/NBP1-59337)

Updated 2/21/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-59337](http://www.novusbio.com/reviews/destination/NBP1-59337)



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

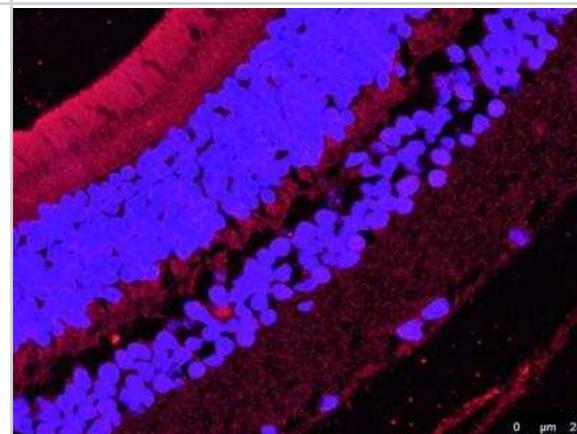
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, 2% Sucrose
<b>Target Molecular Weight</b>	9 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	57817
<b>Gene Symbol</b>	HAMP
<b>Species</b>	Human, Mouse, Bovine
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 26305890). 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, Immunohistochemistry-Paraffin
<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.



## 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)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-59337](http://www.novusbio.com/reviews/submit/NBP1-59337)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

