

Product Datasheet

Ferritin Antibody - BSA Free NB600-920-100ug

Unit Size: 100 ug

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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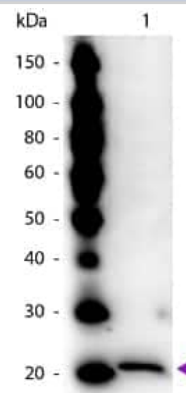
NB600-920-100ug

Ferritin Antibody - BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent)
Isotype	IgG
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Ferritin [Human Spleen]</p> <p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	2495
Gene Symbol	FTH1
Species	Human, Mouse
Specificity/Sensitivity	Cross reactivity against Ferritin Heavy Chain from other tissues and species may occur but have not been specifically determined.
Immunogen	Ferritin [Human Spleen] (Uniprot: P02794)
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000-1:2000, ELISA 1:5000-1:20000, Immunohistochemistry 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	This product has been tested in ELISA and western blot and is suitable for use in immunohistochemistry. Specific conditions for reactivity should be optimized by the end user.

Images

Western Blot: Ferritin Antibody [NB600-920] - Lane 1: Ferritin. Lane 2: None. Load: 50 ng per lane. Primary antibody: Ferritin primary antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocking: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 20 kDa, 20 kDa for Ferritin. Other band(s): None.



Publications

Sen S, Bal SK, Yadav S et al. Intracellular pathogen Leishmania intervenes in iron loading into ferritin by cleaving chaperones in host macrophages as an iron acquisition strategy *The Journal of biological chemistry* 2022-10-26 [PMID: 36309090] (IP, WB, Mouse)

Katsarou A, Gkouvatsos K, Fillebeen C, Pantopoulos K Tissue-Specific Regulation of Ferroportin in Wild-Type and HJV^{-/-} Mice Following Dietary Iron Manipulations *Hepatology Commun* 2021-09-24 [PMID: 34558857]

Katsarou A, Gkouvatsos K, Fillebeen C, Pantopoulos K Tissue-Specific Regulation of Ferroportin in Wild-Type and HJV^{-/-} Mice Following Dietary Iron Manipulations *Hepatology Communications* 2021-07-16 [PMID: 34558857] (WB)

Nobuta H, Yang N, Ng YH et al. Oligodendrocyte Death in Pelizaeus-Merzbacher Disease Is Rescued by Iron Chelation. *Cell Stem Cell* 2019-10-03 [PMID: 31585094] (WB, Human)

Kent P, Wilkinson N, Constante M et al. Hfe and HJV exhibit overlapping functions for iron signaling to hepcidin. *J Mol Med (Berl)*. 2015-01-01 [PMID: 25609138] (WB, Mouse)

Song W, Zukor H, Lin SH et al. Unregulated brain iron deposition in transgenic mice over-expressing HMOX1 in the astrocytic compartment *J Neurochem* 2012-11-01 [PMID: 22881289] (WB, Mouse)

Hasan MR, Tosha T, Theil EC. Ferritin Contains Less Iron (⁵⁹Fe) in Cells When the Protein Pores Are Unfolded by Mutation. *J Biol Chem*;283(46):31394-31400. 2008-01-01 [PMID: 18805796]

Daba A, Koromilas AE, Pantopoulos K. Alternative ferritin mRNA translation via internal initiation. *RNA*;18(3):547-56. 2012-03-01 [PMID: 22271759]

Hausmann A, Lee J, Pantopoulos K. Redox control of iron regulatory protein 2 stability. *FEBS Lett*;585(4):687-692. 2011-02-18 [PMID: 21281640]



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 NB600-920-100ug

NBL1-10851	Ferritin Light Chain Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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