

Product Datasheet

Ferritin Heavy Chain Antibody - BSA Free NBP1-31944

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31944

Ferritin Heavy Chain Antibody - BSA Free

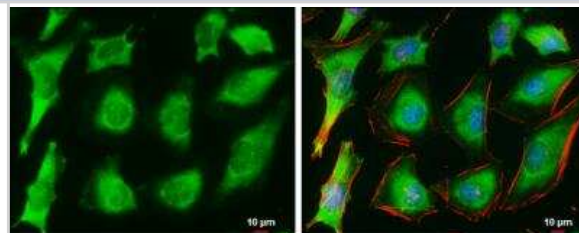
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	21 kDa

Product Description	
Host	Rabbit
Gene ID	2495
Gene Symbol	FTH1
Species	Human, Mouse, Rat
Reactivity Notes	Porcine (87%), Cat (96%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Ferritin Heavy Chain. The exact sequence is proprietary.

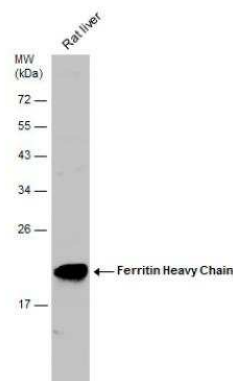
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

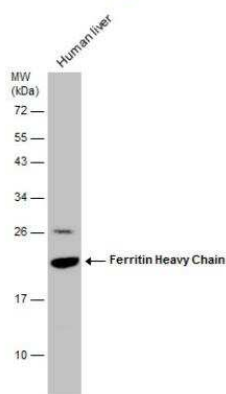
Immunocytochemistry/Immunofluorescence: Ferritin Heavy Chain Antibody [NBP1-31944] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Ferritin Heavy Chain protein stained by Ferritin Heavy Chain antibody [N1C3] diluted at 1:500. Red: Phalloidin, a cytoskeleton marker, diluted at 1:50. Blue: Hoechst 33342 staining. Scale bar = 10 um.



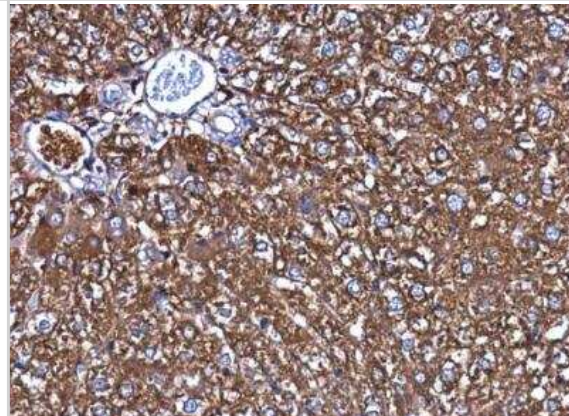
Western Blot: Ferritin Heavy Chain Antibody [NBP1-31944] - Ferritin Antibody [NBP1-31944] - Rat tissue extract (50 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with Ferritin Heavy Chain antibody [N1C3] diluted at 1:500.



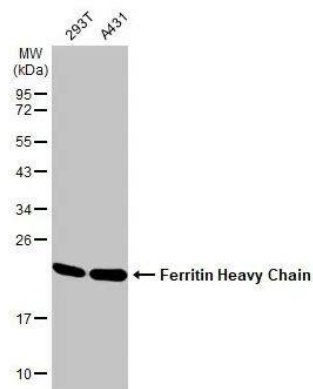
Western Blot: Ferritin Heavy Chain Antibody [NBP1-31944] - Human tissue extract (30 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with Ferritin Heavy Chain antibody [N1C3] diluted at 1:500.



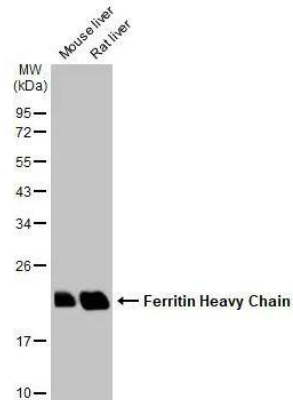
Immunohistochemistry-Paraffin: Ferritin Heavy Chain Antibody [NBP1-31944] - Rat liver. Ferritin Heavy Chain antibody [N1C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



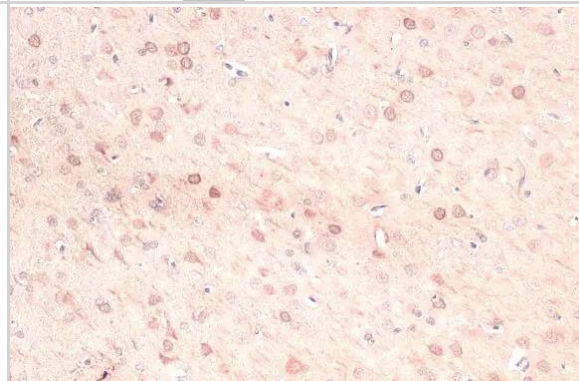
Western Blot: Ferritin Heavy Chain Antibody [NBP1-31944] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Ferritin Heavy Chain antibody [N1C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



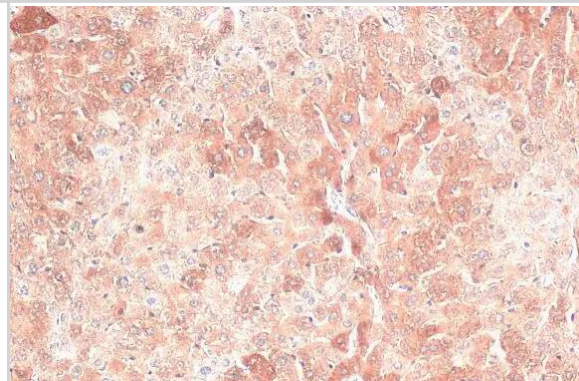
Western Blot: Ferritin Heavy Chain Antibody [NBP1-31944] - Various tissue extracts (50 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Ferritin Heavy Chain antibody [N1C3] diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



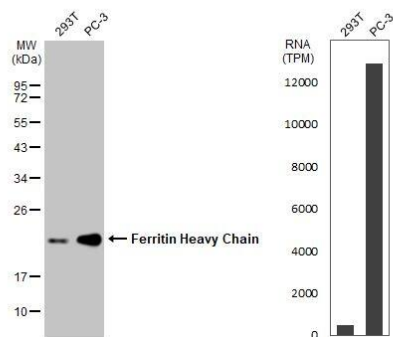
Immunohistochemistry-Paraffin: Ferritin Heavy Chain Antibody [NBP1-31944] - Ferritin Heavy Chain antibody [N1C3] detects Ferritin Heavy Chain protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. Ferritin Heavy Chain stained by Ferritin Heavy Chain antibody [N1C3] (NBP1-31944) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunohistochemistry-Paraffin: Ferritin Heavy Chain Antibody [NBP1-31944] - Ferritin Heavy Chain antibody [N1C3] detects Ferritin Heavy Chain protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse liver. Ferritin Heavy Chain stained by Ferritin Heavy Chain antibody [N1C3] (NBP1-31944) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: Ferritin Heavy Chain Antibody [NBP1-31944] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Ferritin Heavy Chain antibody [N1C3] diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Publications

Chen Z, Wang F, Chen Z, Zheng N et Al. Decursin ameliorates neurotoxicity induced by glutamate through restraining ferroptosis by up-regulating FTH1 in SH-SY5Y neuroblastoma cells *Neuroscience* 2024-08-28 [PMID: 39197742]

Yang WP, Li MQ, Ding J et Al. High-altitude hypoxia exposure inhibits erythrophagocytosis by inducing macrophage ferroptosis in the spleen *Elife* 2024-04-17 [PMID: 38629942]

Khang Nguyen, Jialing Tang, Sungji Cho, Fan Ying, Hye Kyoung Sung, James Wonsuk Jahng, Kostas Pantopoulos, Gary Sweeney Salubrinal promotes phospho-eIF2 α -dependent activation of UPR leading to autophagy-mediated attenuation of iron-induced insulin resistance *Molecular Metabolism* 2024-03-26 [PMID: 38527647]

Liu D, Wang T, Wang Q et al. Identification of key genes in sepsis-induced cardiomyopathy based on integrated bioinformatical analysis and experiments in vitro and in vivo *PeerJ* 2023-11-21 [PMID: 38025678]

James Won Suk Jahng, Reham Musaibeh Alsaadi, Rengasamy Palanivel, Erfei Song, Victoria Emily Barbosa Hipolito, Hye Kyoung Sung, Roberto Jorge Botelho, Ryan Charles Russell, Gary Sweeney Iron overload inhibits late stage autophagic flux leading to insulin resistance *EMBO Reports* 2019-08-23 [PMID: 31441223]

Mi Y, Wei C, Sun L et al. Melatonin inhibits ferroptosis and delays age-related cataract by regulating SIRT6/p-Nrf2/GPX4 and SIRT6/NCOA4/FTH1 pathways *Biomedicine & Pharmacotherapy* 2023-01-01 [PMID: 36463827] (WB, Rat)

Lee YJ, Kim GH, Yoo JS et al. Vitamin D rescues pancreatic beta cell dysfunction due to iron overload via elevation of the vitamin D receptor and maintenance of Ca²⁺ homeostasis *Molecular nutrition & food research* 2020-12-15 [PMID: 33325123]

Zhang Q, Wang J, Huang F et al. Leptin induces NAFLD progression through infiltrated CD8⁺ T lymphocytes mediating pyroptotic-like cell death of hepatocytes and macrophages *Dig Liver Dis* 2020-11-07 [PMID: 33172809] (WB, Rat)





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Products Related to NBP1-31944

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBC1-18548	Recombinant Human Ferritin Heavy Chain 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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