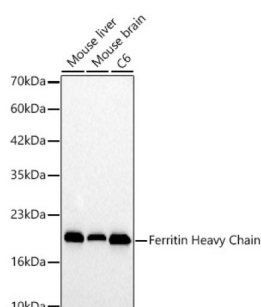
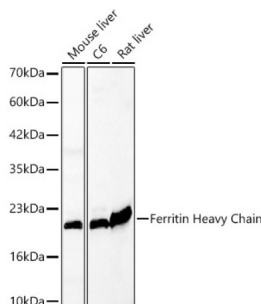


Ferritin Heavy Chain (FTH1) Antibody

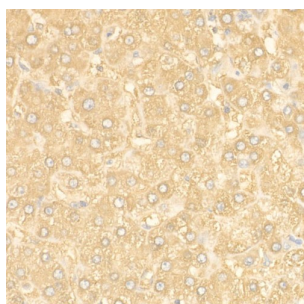
Catalogue No.: abx001058



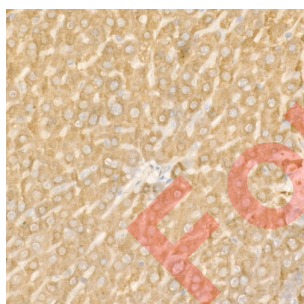
Western blot analysis of various lysates using Ferritin Heavy Chain Antibody at 1/2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



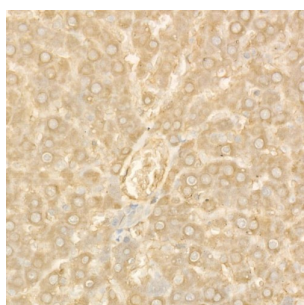
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Ferritin Heavy Chain Antibody at a dilution of 1/200 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Ferritin Heavy Chain Antibody at a dilution of 1/200 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Ferritin Heavy Chain Antibody at a dilution of 1/200 (40x lens). High pressure antigen retrieval was performed in 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of A-549 cells using Ferritin Heavy Chain Antibody at dilution of 1/100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

Datasheet

Version: 4.0.0
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FTH1 Antibody is a Rabbit Polyclonal antibody against FTH1. This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined.

Target:	Ferritin Heavy Chain (FTH1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthetic peptide corresponding to FTH1. The exact sequence is proprietary.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P02794 (UniProt , ExPASy)
Gene Symbol:	FTH1
GeneID:	2495
NCBI Accession:	NP_002023.2
KEGG:	hsa:2495
String:	9606.ENSP00000273550
Molecular Weight:	Calculated MW: 21 kDa Observed MW: 21 kDa

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Buffer: PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only