Ferritin Heavy Chain Rabbit pAb

Catalog NO.: A1144SP **33 Publications**

Basic Information

Observed MW
21 kDa

Calculated MW
21 kDa

Category
Polyclonal Antibodies

Applications
WB, IF-P, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Background

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.

Recommended Dilutions

WB	1:1000 - 1:3000
IF-P	1:200 - 1:800
IHC-P	1:500 - 1:2000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
2495

Swiss Prot
P02794

Immunogen
This information is considered to be commercially sensitive.

Synonyms
FHC; FTH; HFE5; PLIF; FTHL6; PIG15; Ferritin Heavy Chain

Contact

Product Information

order@abclonal.com
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www.abclonal.com

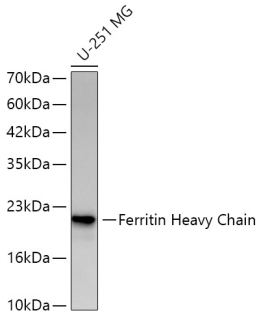
Source
Rabbit

Isotype
IgG

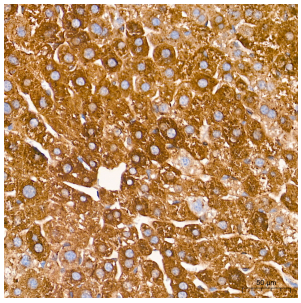
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

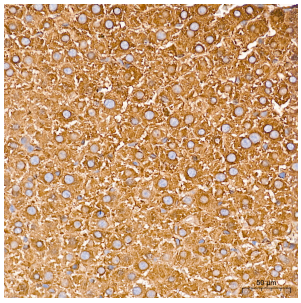
Validation Data



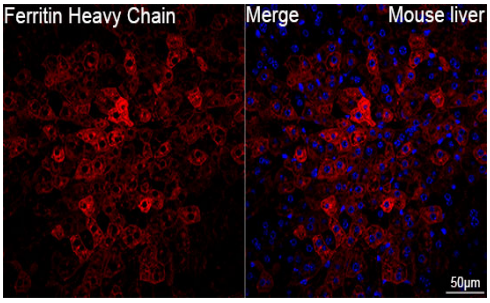
Western blot analysis of lysates from U-251 MG cells using Ferritin Heavy Chain Rabbit pAb (A1144SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



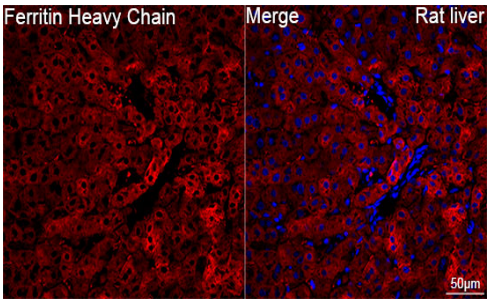
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Ferritin Heavy Chain Rabbit pAb (A1144SP) at a dilution of 1:1800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Ferritin Heavy Chain Rabbit pAb (A1144SP) at a dilution of 1:1800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Mouse liver tissue using Ferritin Heavy Chain Rabbit pAb (A1144SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.
Objective: 40x.



Confocal imaging of paraffin-embedded Rat liver tissue using Ferritin Heavy Chain Rabbit pAb (A1144SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.