
Product Name: KD-Validated Ferritin Heavy Chain 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAb00226

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 21.2kDa

Antigen Information

Gene Name	FTH1
Alternative Names	FTH1; Ferritin Heavy Chain 1; FTH; PIG15; FTHL6; PLIF; FHC; Cell Proliferation-Inducing Gene 15 Protein; Proliferation-Inducing Protein 15; Placenta Immunoregulatory Factor; Ferritin, Heavy; Polypeptide 1; Ferritin Heavy Chain; Ferritin H Subunit; Apoferritin; EC 1.16.3.1; H-Ferritin; HFE5
Gene ID	2495.0
SwissProt ID	P02794
Immunogen	A synthesized peptide derived from human Ferritin

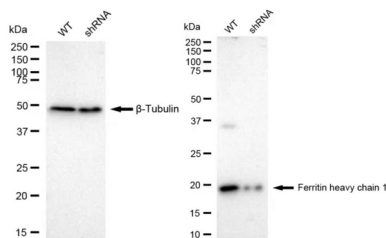
Background

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. [provided by RefSeq, Jul 2008]

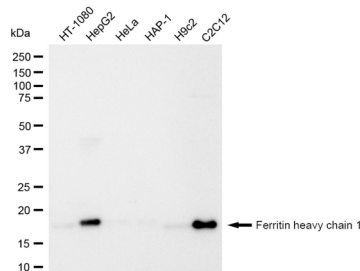
Research Area

Neuroscience, Cardiovascular, Signal Transduction, Metabolism

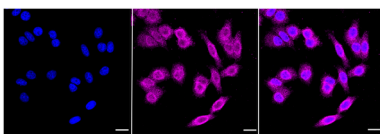
Image Data



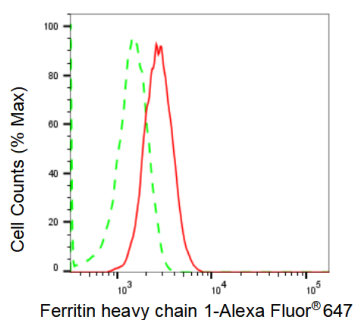
Western blotting analysis using Ferritin heavy chain 1 antibody (KVA00226). Ferritin heavy chain 1 expression in wild type (WT) and ferritin heavy chain 1 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Ferritin heavy chain 1 antibody (KVA00226, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Ferritin heavy chain 1 antibody (KVA00226). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Ferritin heavy chain 1 antibody (KVA00226, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Ferritin heavy chain 1 antibody (KVA00226, 1:1,000). Nuclei were stained blue with DAPI; Ferritin heavy chain 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



Flow cytometric analysis of Ferritin heavy chain 1 expression in HepG2 cells using Ferritin heavy chain 1 antibody (KVA00226, 1:2,000). Green, isotype control; red, Ferritin heavy chain 1.