



Ferritin Rabbit mAb

Catalog No	YP-rAb-17546
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	FTH1;FTL
Protein Name	Ferritin
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	Ferritin;Ferritin light chain ; Ferritin L subunit ; Ferritin heavy chain ; Ferritin H subunit ; FTHL6 ; OK/SW-cl.84 ; PIG15;FTH1;FTL
Observed Band	21kD
Calculated Molecular Weight	21kD
Cell Pathway	cell,cytoplasm,cytosol,intracellular ferritin complex,membrane,autolysosome,extracellular exosome,
Tissue Specificity	Brain,Colon endothelium,Kidney,Liver,Placenta,Skin,Testis,Urinary bladder,
Function	Disease:Defects in FTL are the cause of hereditary hyperferritinemia-cataract syndrome (HHCS) [MIM:600886]. It is an autosomal dominant disease characterized by early-onset bilateral cataract. Affected patients have elevated level of circulating ferritin. HHCS is caused by mutations in the iron responsive element (IRE) of the FTL gene.,Disease:Defects in FTL are the cause of neuroferritinopathy [MIM:606159]; also known as adult-onset basal ganglia disease. It is a movement disorder with heterogeneous presentations starting in the fourth to sixth decade. It is characterized by a variety of neurological signs including parkinsonism, ataxia, corticospinal signs, mild nonprogressive cognitive deficit and episodic psychosis. It is linked with decreased serum ferritin levels.,Function:Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis.,Function:Stores iron in a soluble, non-toxic,





readily available form. Important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney.,online information:Ferritin entry,similarity:Belongs to the ferritin family.,similarity:Contains 1 ferritin-like diiron domain.,subunit:Oligomer of 24 subunits. There are two types of subunits: L (light) chain and H (heavy) chain. The major chain can be light or heavy, depending on the species and tissue type. The functional molecule forms a roughly spherical shell with a diameter of 12 nm and contains a central cavity into which the insoluble mineral iron core is deposited.,

Background

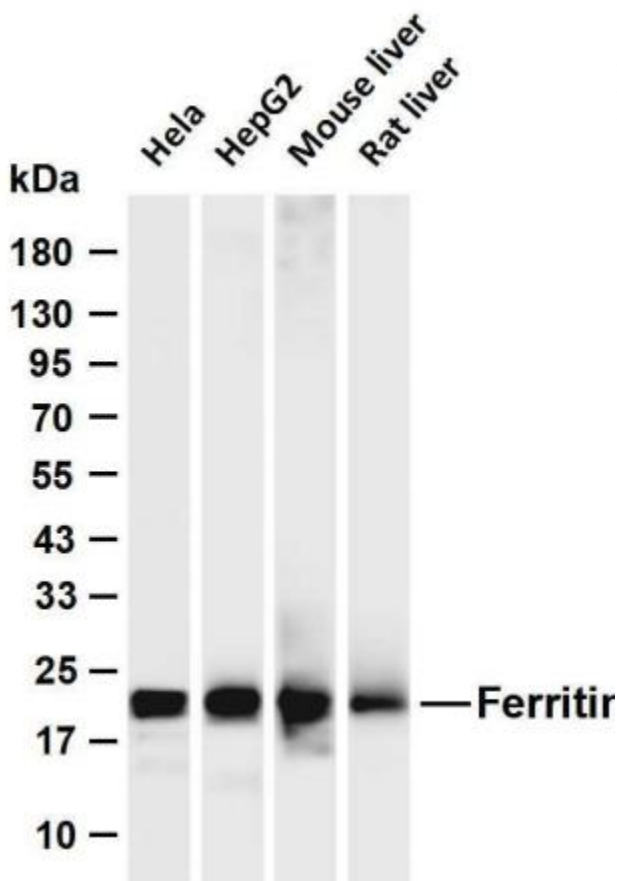
This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

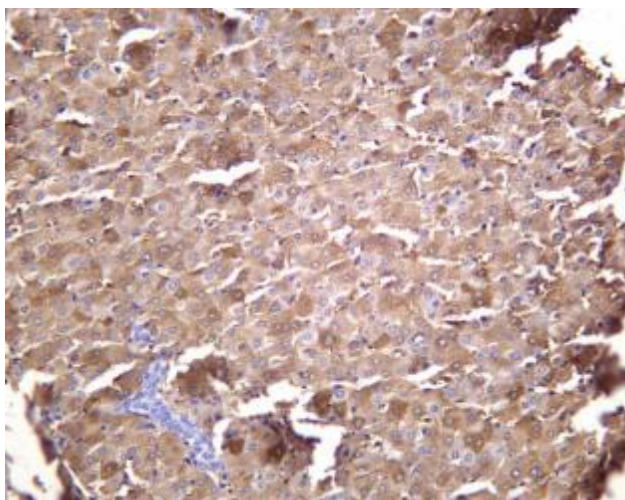
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Ferritin antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HepG2 Lane 3: Mouse liver Lane 4: Rat liver Predicted band size: 21kDa Observed band size: 21kDa





Human liver was stained with anti-Ferritin Rabbit antibody

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