


Anti-Ferritin Light Chain antibody ab229784

[3 Images](#)

Overview

Product name	Anti-Ferritin Light Chain antibody
Description	Rabbit polyclonal to Ferritin Light Chain
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rhesus monkey 
Immunogen	Recombinant fragment within Human Ferritin Light Chain (internal sequence). The exact sequence is proprietary. Database link: P02794
Positive control	WB: Mouse liver tissue extract; HepG whole cell lysate. IHC-P: Ca922 xenograft.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab229784 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 20 kDa.
IHC-P		1/100 - 1/1000.

Target

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.

Involvement in disease

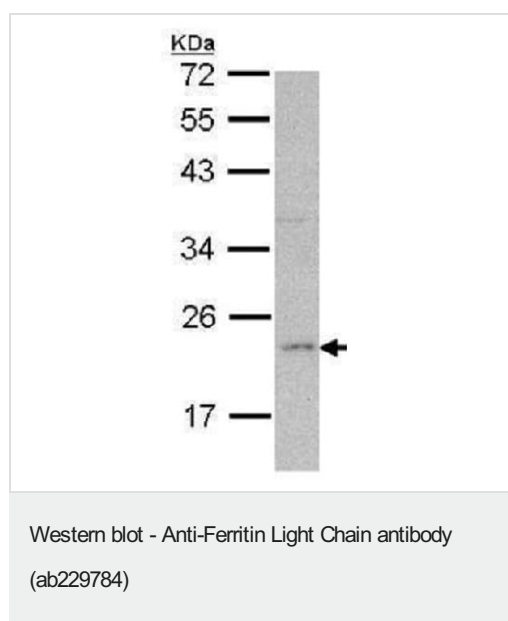
Defects in FTL are the cause of hereditary hyperferritinemia-cataract syndrome (HHCS) [MIM:600886]. It is an autosomal dominant disease characterized by early-onset bilateral cataract. Affected patients have elevated level of circulating ferritin. HHCS is caused by mutations in the iron responsive element (IRE) of the FTL gene.

Defects in FTL are the cause of neurodegeneration with brain iron accumulation type 3 (NBIA3) [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.

Sequence similarities

Belongs to the ferritin family.
Contains 1 ferritin-like diiron domain.

Images

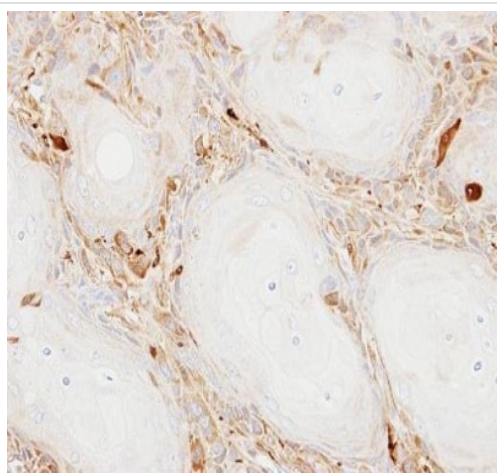


Anti-Ferritin Light Chain antibody (ab229784) at 1/1000 dilution + HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

Developed using the ECL technique.

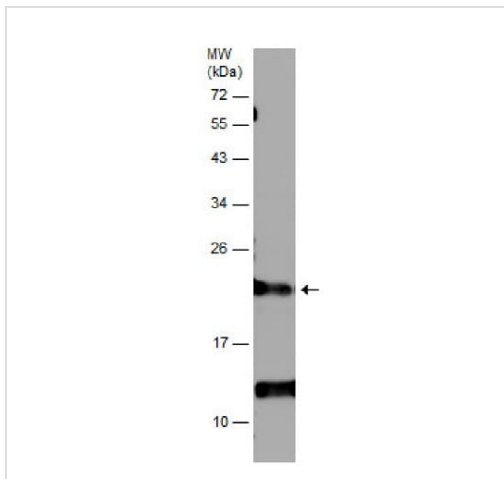
Predicted band size: 20 kDa

12% SDS-PAGE



Paraffin-embedded Ca922 xenograft tissue stained for Ferritin Light Chain with ab229784 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ferritin Light Chain antibody (ab229784)



Anti-Ferritin Light Chain antibody (ab229784) at 1/1000 dilution + mouse liver tissue extract at 50 µg

Developed using the ECL technique.

Predicted band size: 20 kDa

12% SDS-PAGE

Western blot - Anti-Ferritin Light Chain antibody (ab229784)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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