

# Ferritin Light Chain Rabbit mAb

Catalog No.: A11241 **Recombinant** **11 Publications**

## Basic Information

**Observed MW**

18-20kDa

**Calculated MW**

20kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC57605

## 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.

## Recommended Dilutions

<b>WB</b>	1:2000 - 1:9000
<b>IHC-P</b>	1:100 - 1:500

## Immunogen Information

**Gene ID**

2512

**Swiss Prot**

P02792

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-175 of human Ferritin Light Chain (NP\_000137.2).

**Synonyms**

LFTD; NBIA3; Ferritin Light Chain

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

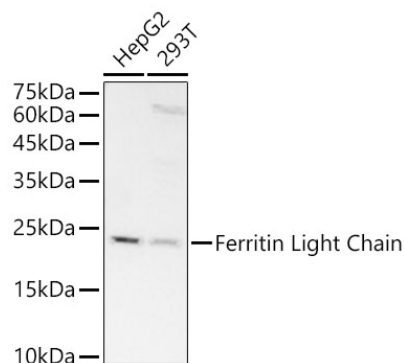
Affinity purification

**Storage**

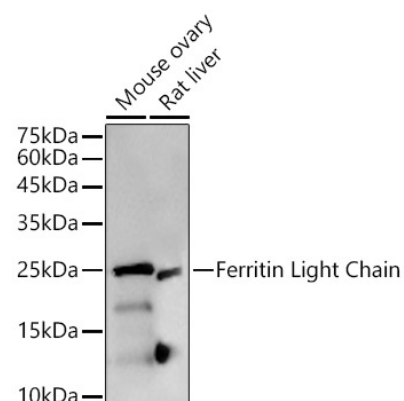
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

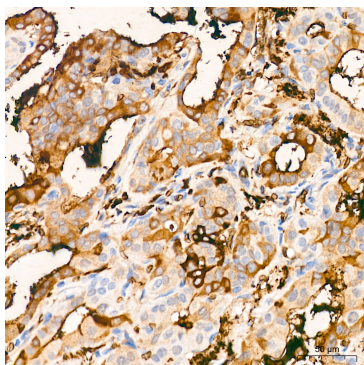
## Validation Data



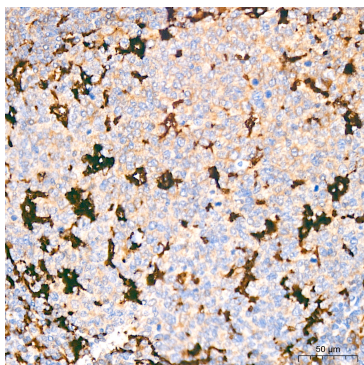
Western blot analysis of various lysates, using Ferritin Light Chain antibody (A11241) at 1:8000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



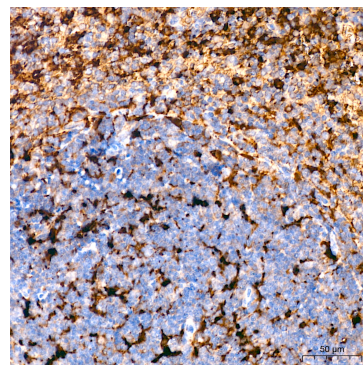
Western blot analysis of various lysates, using Ferritin Light Chain antibody (A11241) at 1:8000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



Immunohistochemistry analysis of Ferritin Light Chain in paraffin-embedded human thyroid tissue using Ferritin Light Chain Rabbit mAb (A11241) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



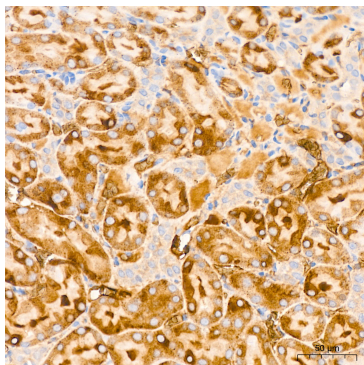
Immunohistochemistry analysis of Ferritin Light Chain in paraffin-embedded human tonsil tissue using Ferritin Light Chain Rabbit mAb (A11241) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Ferritin Light Chain in paraffin-embedded mouse spleen tissue using Ferritin Light Chain Rabbit mAb (A11241) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of Ferritin Light Chain in paraffin-embedded rat kidney tissue using Ferritin Light Chain Rabbit mAb (A11241) at a dilution of 1:400 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.