

Ferritin Light Chain Rabbit pAb

Catalog No.: A1768SP

10 Publications

Basic Information

Observed MW

20 kDa

Calculated MW

20 kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

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

WB 1:1000 - 1:5000

IHC-P 1:400 - 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

2512

Swiss Prot

P02792

Immunogen

This information is considered to be commercially sensitive.

Synonyms

LFTD; NBIA3; Ferritin Light Chain

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

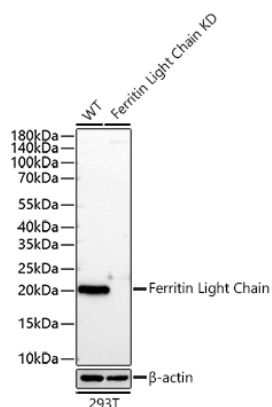
Storage

Store at -20°C

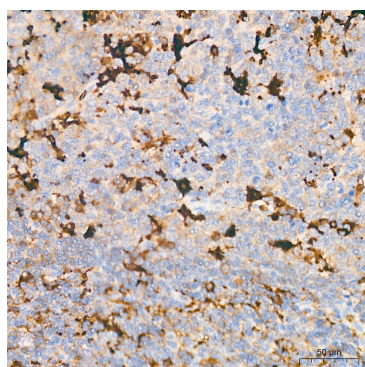
Contact

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Validation Data



Western blot analysis of lysates from wild type (WT) and Ferritin Light Chain knockdown (KD) 293T cells using Ferritin Light Chain Rabbit pAb (A1768SP) 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: 60 s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Ferritin Light Chain Rabbit pAb (A1768SP) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.