

Ferritin Light Chain Monoclonal Antibody

CAB11241

Description

This Ferritin Light Chain Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB11241
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: LFTD, NBIA3, Ferritin Light Chain
Clone: ARC57605
Applications: **WB** | **IHC-P** | **ELISA**
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 2512
Uniprot: AB_2861532
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 20kDa
Calculated MW: 20kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

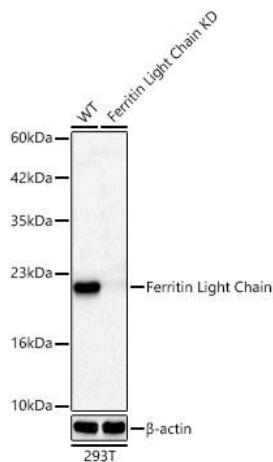
Positive Sample: Rat liver, 293T, Mouse liver, Mouse ovary, Hep G2, SH-SY5Y

Recommended Dilutions:

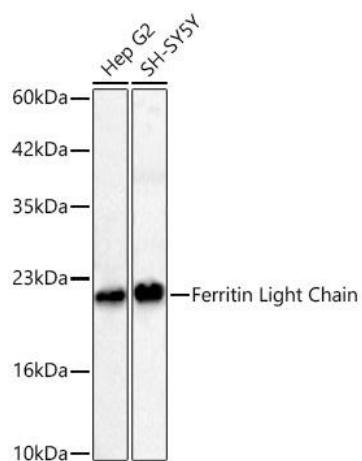
WB	1:1000 - 1:5000
IHC-P	1:400 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

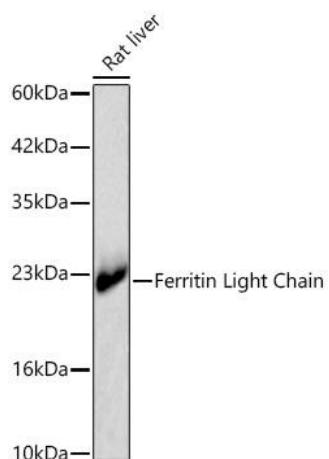
Validation Data



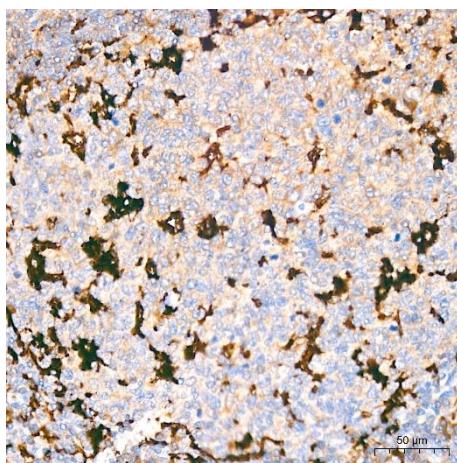
Western blot analysis of lysates from wild type (WT) and Ferritin Light Chain knockdown (KD) 293T cells using [KD Validated] Ferritin Light Chain Rabbit mAb (CAB11241) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



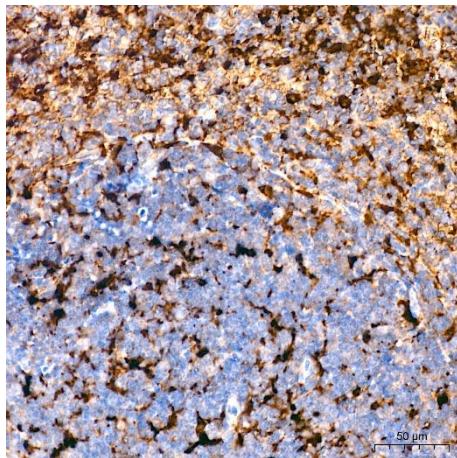
Western blot analysis of various lysates using [KD Validated] Ferritin Light Chain Rabbit mAb (CAB11241) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Western blot analysis of lysates from Rat liver using [KD Validated] Ferritin Light Chain Rabbit mAb (CAB11241) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KD Validated] Ferritin Light Chain Rabbit mAb (CAB11241) 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.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KD Validated] Ferritin Light Chain Rabbit mAb (CAB11241) 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.