

Nur für Forschungszwecke

# Ferritin light chain Polyklonaler Antikörper



Katalog-Nr.:10727-1-AP

Vorgestelltes Produkt

85 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10727-1-AP	<b>GenBank-Zugangsnummer:</b> BC008439	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 800 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 2512	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> ferritin, light polypeptide	IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 19 kDa	IHC 1:50-1:500
<b>Immunogen Katalognummer:</b> AG1149	<b>Beobachtete Masse:</b> 20-22 kDa	IF 1:50-1:500

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Affe, Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** Mauslebergewebe, humanes Plazenta-Gewebe, Maus-Eierstockgewebe, Maushodengewebe, Mausmilzgewebe, Rattenlebergewebe

**IP:** Mauslebergewebe,

**IHC:** humanes Lebergewebe, humanes Leberkarzinomgewebe, humanes Milzgewebe, Mausmilzgewebe

**IF:** HepG2-Zellen, A549-Zellen

## Hintergrundinformationen

FTL belongs to the ferritin family. It stores iron in a soluble, non-toxic, readily available form. FTL is important for iron homeostasis. It plays a role in delivery of iron to cells. FTL mediates iron uptake in capsule cells of the developing kidney. Mutation of FTL will cause hereditary hyperferritinemia-cataract syndrome (HHCS) or neurodegeneration with brain iron accumulation type 3 (NBIA3). Ferritin light polypeptide (FTL) and ferritin heavy polypeptide (FTH1) were the main constituents the striatum and cerebellar cortex revealed.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lalit Pukhrambam Singh	35187384	JOJ Ophthalmol	WB
Hailong Gong	36164395	Oxid Med Cell Longev	WB
Xiaopeng Cai	36094079	ACS Appl Mater Interfaces	WB

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

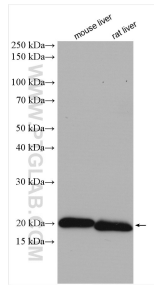
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

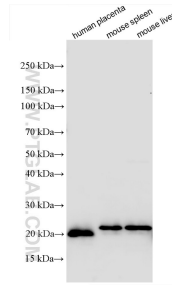
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

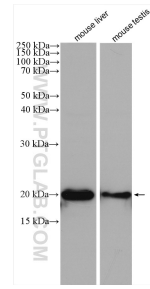
## Ausgewählte Validierungsdaten



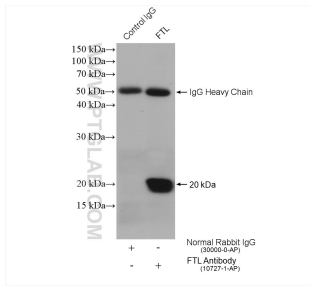
Various lysates were subjected to SDS PAGE followed by western blot with 10727-1-AP (Ferritin light chain antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10727-1-AP (Ferritin light chain antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



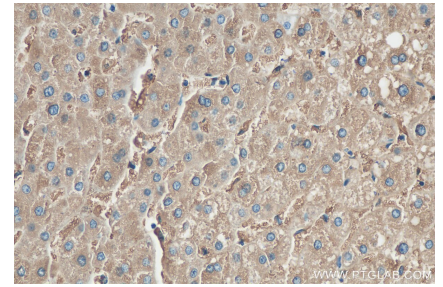
Various lysates were subjected to SDS PAGE followed by western blot with 10727-1-AP (Ferritin light chain antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



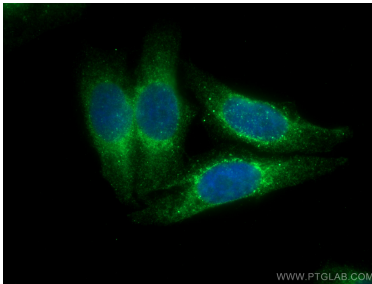
IP result of anti-Ferritin light chain (IP:10727-1-AP, 4ug; Detection:10727-1-AP 1:1000) with mouse liver tissue lysate 3040 ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10727-1-AP (Ferritin light chain antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10727-1-AP (Ferritin light chain antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Ferritin light chain antibody (10727-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).