



Rabbit Anti-Ferritin Heavy Chain/FTH1 antibody

SL5907R

Product Name:	Ferritin Heavy Chain/FTH1
Chinese Name:	铁蛋白抗体
Alias:	Apoferritin; Cell proliferation inducing gene 15 protein; F HC; Ferritin H subunit; Ferritin heavy chain; Ferritin heavy polypeptide 1; FHC; FRIH; FTH 1; FTH; FTH1; FTH1 protein; FTHL 6; FTHL6; Iron overload autosomal dominant; MGC104426; OK/SW-cl.84; PIG 15; PIG15; Placenta immunoregulatory factor; PLIF; Proliferation inducing gene 15 protein; Proliferation inducing protein 15; FRIH HUMAN.
文献引用 PubMed :	<p>Specific References(1)SL5907R has been referenced in 1 publications.</p> <p>[IF=3.70]Zhang, Ying, et al. "Calcium channel blockers ameliorate iron overload-associated hepatic fibrosis by altering iron transport and stellate cell apoptosis." Toxicology and Applied Pharmacology (2016).WB;Mouse.</p> <p style="text-align: right;">PubMed:27095094</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/Test (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	20kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Ferritin Heavy Chain:1-100/183
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

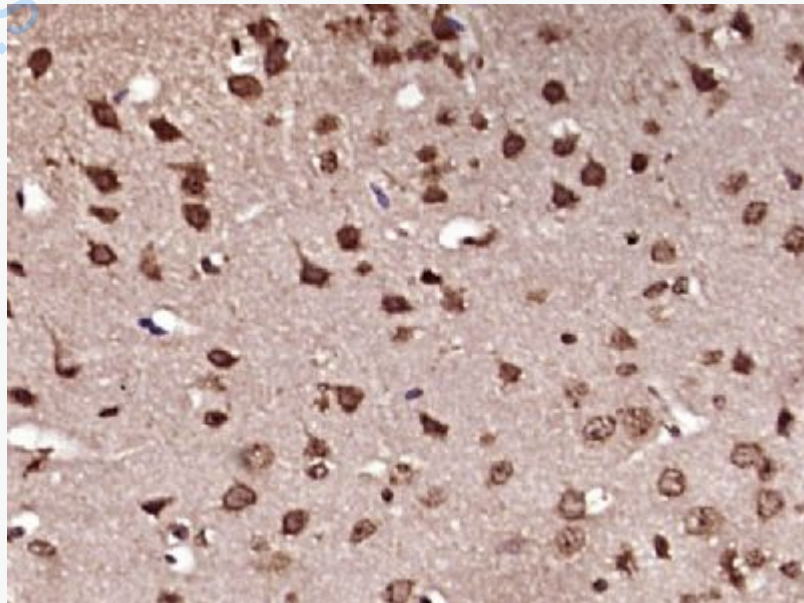
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes the heavy subunit of ferritin, 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 ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq, Jul 2008].</p> <p>Function: Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. 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.</p> <p>Subunit: Oligomer of 24 subunits. There are two types of subunits: L (light) chain and H (heavy) chain. The major chain can be light or heavy, depending on the species and tissue type. The functional molecule forms a roughly spherical shell with a diameter of 12 nm and contains a central cavity into which the insoluble mineral iron core is deposited.</p> <p>Subcellular Location: Cytoplasmic.</p> <p>Tissue Specificity: In human liver the heavy chain is the major chain.</p> <p>Similarity: Belongs to the ferritin family. Contains 1 ferritin-like diiron domain.</p> <p>SWISS: P02794</p> <p>Gene ID: 2495</p> <p>Database links: Entrez Gene: 654516Cat</p>

[Entrez Gene: 100499480](#)Dog
[Entrez Gene: 403631](#)Dog
[Entrez Gene: 2495](#)Human
[Entrez Gene: 14319](#)Mouse
[Entrez Gene: 100173063](#)Orangutan
[Oimim: 134770](#)Human
[SwissProt: Q2MHN2](#)Cat
[SwissProt: Q95MP7](#)Dog
[SwissProt: P02794](#)Human
[SwissProt: P09528](#)Mouse
[SwissProt: Q5R8J7](#)Orangutan
[Unigene: 524910](#)Human
[Unigene: 645560](#)Human
[Unigene: 1776](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FTH1) Polyclonal Antibody, Unconjugated (SL5907R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-Ferritin Heavy Chain antibody (SL5907R)

Dilution: 1µg /10⁶ cells;

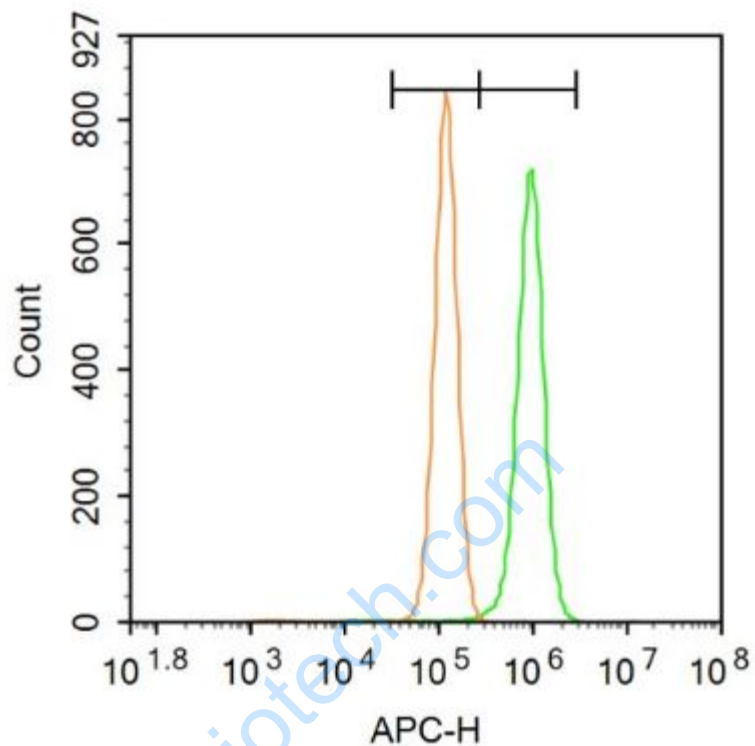
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at -20°C .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control (Black line): Hela (Black).

Primary Antibody (green line): Rabbit Anti-Ferritin Heavy Chain/FTH1 antibody (SL5907R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: 1 μ g /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for

	<p>30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
--	--

www.sunlongbiotech.com