

FTL Recombinant monoclonal antibody

Catalog Number: 81166-3-RR

Basic Information

Catalog Number:	81166-3-RR	GenBank Accession Number:	BC008439	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	2512	CloneNo.:	251048G12
Isotype:	IgG	UNIPROT ID:	P02792	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:400-1:1600 IF/ICC: 1:250-1:1000
Immunogen Catalog Number:	AG20637	Full Name:	ferritin, light polypeptide	Calculated MW:	19 kDa
				Observed MW:	18 kDa

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: A549 cells, HepG2 cells

IHC: mouse liver tissue,

IF/ICC: A549 cells, HepG2 cells

Background Information

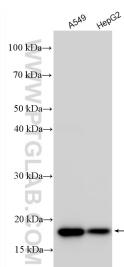
FTL belongs to the ferritin family. It stores iron in a soluble, non-toxic, readily available form. FTL is important for iron homeostasis. It plays a role in delivery of iron to cells. FTL mediates iron uptake in capsule cells of the developing kidney. Mutation of FTL will cause hereditary hyperferritinemia-cataract 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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

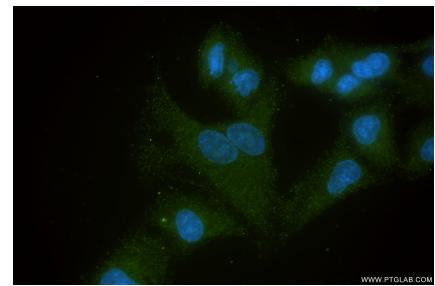
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

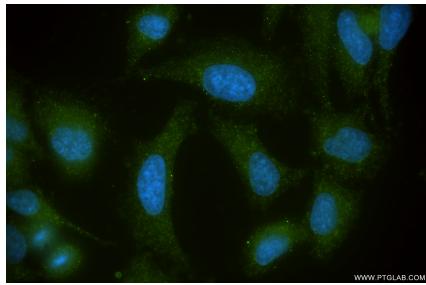


Various lysates were subjected to SDS PAGE followed by western blot with 81166-3-RR (FTL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 81166-3-RR (FTL antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using FTL antibody (81166-3-RR, Clone: 251048G12) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FTL antibody (81166-3-RR, Clone: 251048G12) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).