

For Research Use Only

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
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	2512	CloneNo.:	251048G12
Source:	Rabbit	UNIPROT ID:	P02792	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:400-1:1600 IF/ICC: 1:250-1:1000
Isotype:	IgG	Full Name:	ferritin, light polypeptide		
Immunogen Catalog Number:	AG20637	Calculated MW:	19 kDa		
		Observed MW:	18 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human, mouse	WB:	A549 cells, HepG2 cells
		IHC:	mouse liver tissue,
		IF/ICC:	A549 cells, HepG2 cells

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

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

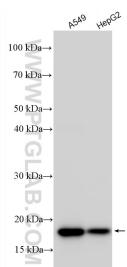
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 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

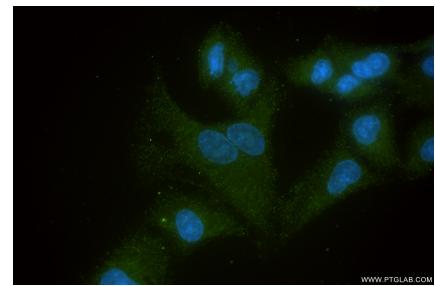
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Selected Validation Data

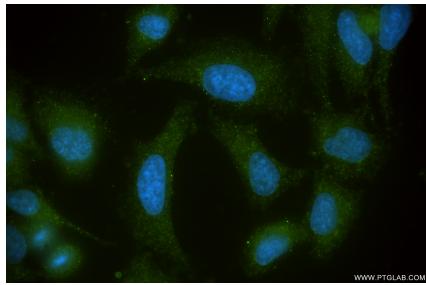


Various lysates were subjected to SDS PAGE followed by western blot with 81166-3-RR (FTL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

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).