Product Name: FTL Mouse Monoclonal Antibody
Catalog #: AMM81374

Summary

Production Name	FTL Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	FTL
Alternative Names	NBIA3
Gene ID	2512.0
SwissProt ID	P02792.Purified recombinant fragment of human FTL (AA: FULL(1-157)) expressed in E. Coli.

Application

Dilution Ratio	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,ELISA:1:10000
Molecular Weight	20kDa

Background

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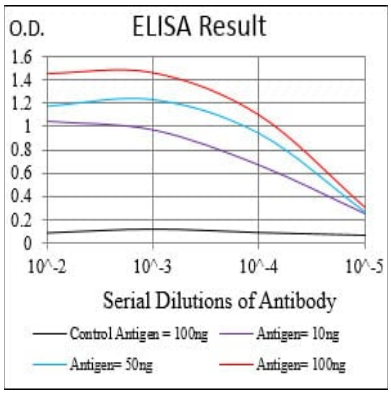
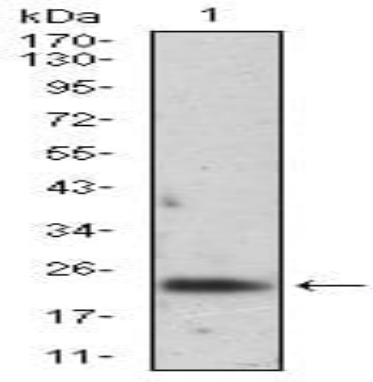
This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes.

Research Area

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using FTL mouse mAb against K562 cell lysate.

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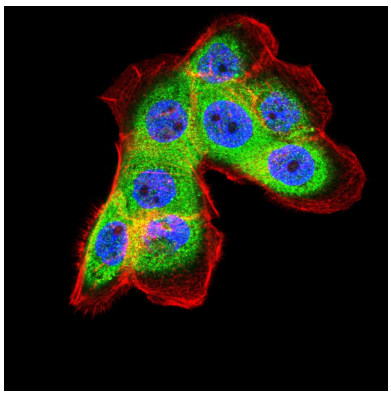
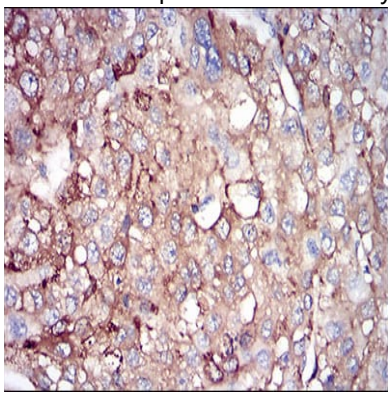
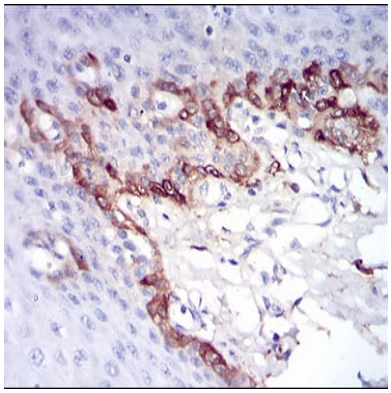


Immunofluorescence analysis of A431 cells using FTL mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using FTL mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal tissues using FTL mouse mAb with DAB staining.

Note

For research use only.