

FTL Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3305
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human FTL (AA: FULL(1-157)) expressed in E. Coli.
Mol wt	20kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	NBIA3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

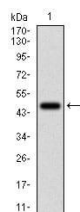
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

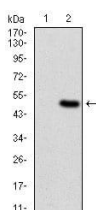
ELISA: 1:10000

Not yet tested in other applications.

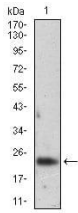
Images



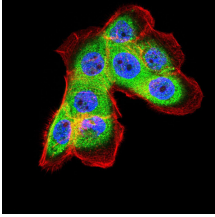
Western blot analysis using FTL mAb against human FTL (AA: FULL(1-157)) recombinant protein.
(Expected MW is 45.5 kDa)



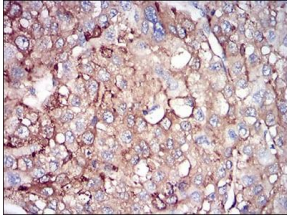
Western blot analysis using FTL mAb against HEK293 (1) and FTL (AA: FULL(1-157))-hIgGFc transfected HEK293 (2) cell lysate.



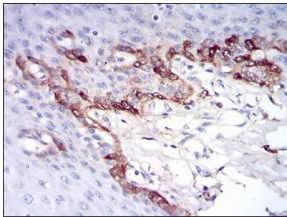
Western blot analysis using FTL mouse mAb against K562 cell lysate.



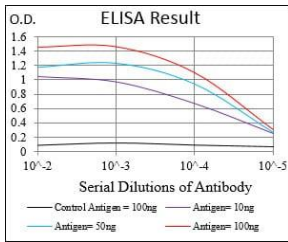
Immunofluorescence analysis of A431 cells using FTL mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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