

**FTL Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1949a****Specification****FTL Antibody - Product Information**

Application	E, WB, IF, IHC
Primary Accession	<a href="#">P02792</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	20kDa KDa

**Description**

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.

**Immunogen**

Purified recombinant fragment of human FTL (AA: FULL(1-157)) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide.

**FTL Antibody - Additional Information**

**Gene ID** 2512

**Other Names**

Ferritin light chain, Ferritin L subunit, FTL

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IF~~1/200 - 1/1000  
IHC~~1/200 - 1/1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FTL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **FTL Antibody - Protein Information**

### **Name FTL**

### **Function**

Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. 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 (By similarity).

## **FTL Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)