

**Anti-FTH1 Antibody**  
Rabbit polyclonal antibody to FTH1  
Catalog # AP60462

**Specification**

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**Anti-FTH1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P02794</a>
Other Accession	<a href="#">P09528</a>
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21226

**Anti-FTH1 Antibody - Additional Information**

Gene ID 2495

**Other Names**

FTH; FTHL6; Ferritin heavy chain; Ferritin H subunit; Cell proliferation-inducing gene 15 protein

**Target/Specificity**

Recognizes endogenous levels of FTH1 protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-FTH1 Antibody - Protein Information**

**Name** FTH1

**Synonyms** FTH, FTHL6

**Function**

Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity (PubMed: <http://www.uniprot.org/citations/9003196> target="\_blank">9003196</a>). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (PubMed: <http://www.uniprot.org/citations/9003196> target="\_blank">9003196</a>). Also plays a role in delivery of iron to cells (By similarity). Mediates iron uptake in capsule cells of the developing kidney (By similarity). Delivery to lysosomes is mediated by the cargo receptor NCOA4 for autophagic degradation and release of

iron (PubMed:<a href="http://www.uniprot.org/citations/24695223" target="\_blank">24695223</a>, PubMed:<a href="http://www.uniprot.org/citations/26436293" target="\_blank">26436293</a>).

#### Cellular Location

Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome

#### Tissue Location

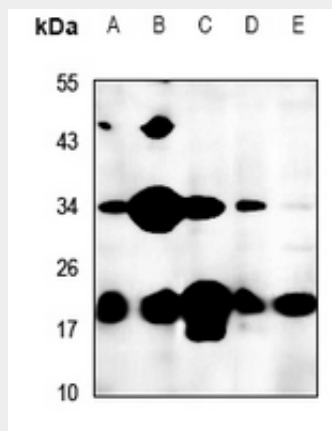
Expressed in the liver.

### Anti-FTH1 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](#)

### Anti-FTH1 Antibody - Images



Western blot analysis of FTH1 expression in LO2 (A), C6 (B), MEF (C), U87MG (D), HepG2 (E) whole cell lysates.

### Anti-FTH1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FTH1. The exact sequence is proprietary.