

Anti-FTH1 Antibody

Rabbit polyclonal antibody to FTH1 Catalog # AP60462

Specification

Anti-FTH1 Antibody - Product Information

Application WB
Primary Accession P02794
Other Accession P09528

Reactivity Human, Mouse, Rat, Rabbit, Monkey, Dog 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

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

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:9003196). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (PubMed:9003196). 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, PubMed:26436293).

Cellular Location

Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome

Tissue Location

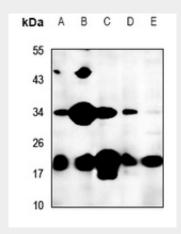
Expressed in the liver.

Anti-FTH1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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

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