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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**
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: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:24695223, PubMed:26436293).

Cellular Location
Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome

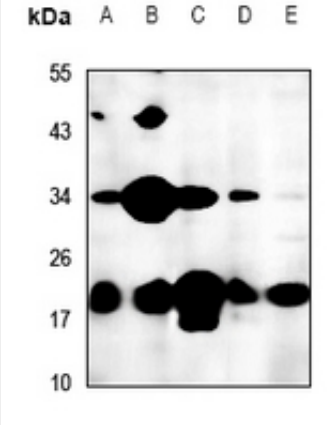
Tissue Location
Expressed in the liver.

Anti-FTH1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- 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

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