

# Anti-FTH1 Antibody

Rabbit polyclonal antibody to FTH1

Catalog # AP60462

## Product Information

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

## 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

## 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: <a href="#">9003196</a> ). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (PubMed: <a href="#">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="#">24695223</a> , PubMed: <a href="#">26436293</a> ).
Cellular Location	Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome  Expressed in the liver.

## Tissue Location

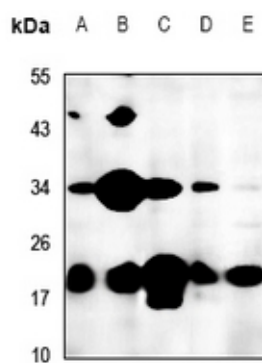
## Background

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

## Images

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

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