

KD-Validated Anti-Ferritin heavy chain 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1742

Product Information

Application	WB, ICC
Primary Accession	P02794
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	21226
Gene Name	FTH1
Aliases	FTH1; Ferritin Heavy Chain 1; FTH; PIG15; FTHL6; PLIF; FHC; Cell Proliferation-Inducing Gene 15 Protein; Proliferation-Inducing Protein 15; Placenta Immunoregulatory Factor; Ferritin, Heavy; Polypeptide 1; Ferritin Heavy Chain; Ferritin H Subunit; Apoferritin; EC 1.16.3.1; H-Ferritin; HFE5

Additional Information

Gene ID	2495
Other Names	Ferritin heavy chain, Ferritin H subunit, 1.16.3.1, Cell proliferation-inducing gene 15 protein, Ferritin heavy chain, N-terminally processed, FTH1, FTH, FTHL6

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.