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Ferritin Heavy Chain Antibody
Rabbit mAb
Catalog # AP91514

Specification

Ferritin Heavy Chain Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P02794
Clonality	**Monoclonal**

Other Names
Apoferritin; F HC; Ferritin H subunit; FHC; FRIH; FTH; FTH1; FTHL6; N-terminally processed; PIG15; PLIF;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**21226 Da**

Ferritin Heavy Chain Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Ferritin Heavy Chain**
Description	**Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney (By similarity).**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Ferritin Heavy Chain 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

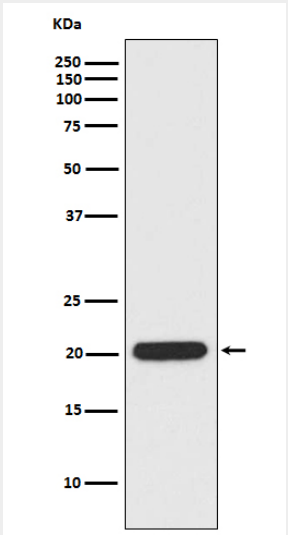
Tissue Location
Expressed in the liver.

Ferritin Heavy Chain 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

Ferritin Heavy Chain Antibody - Images



Western blot analysis of Ferritin Heavy Chain expression in HeLa cell lysate.