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# Ferritin Heavy Chain Antibody

Rabbit mAb
Catalog # AP91514

## Product Information

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| **Application** | WB, IHC |
| **Primary Accession** | P02794 |
| **Reactivity** | Human |
| **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 |

## Additional Information

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| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 |
| **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. |

## Protein Information

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| **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 |

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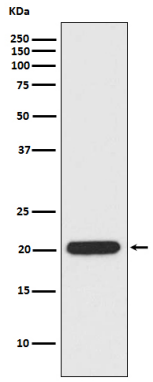
| **Tissue Location** | Expressed in the liver. |

## Images




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