

# Anti-Ferritin L Antibody

Catalog # AP95833

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, FC            |
| Primary Accession | <a href="#">P02792</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 20020                  |

## Additional Information

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|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| Gene ID            | 2512                                                                     |
| Other Names        | Ferritin light chain; Ferritin L subunit                                 |
| Target/Specificity | Recombinant fusion protein of human Ferritin L expressed in E. Coli      |
| Dilution           | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)            |
| Format             | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                |

## Protein Information

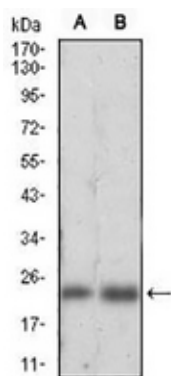
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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | FTL                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function          | Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. 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). Delivery to lysosomes by the cargo receptor NCOA4 for autophagic degradation and release of iron (PubMed: <a href="#">24695223</a> ). |
| Cellular Location | Cytoplasmic vesicle, autophagosome. Cytoplasm {ECO:0000250 UniProtKB:P29391}. Autolysosome {ECO:0000250 UniProtKB:P29391}                                                                                                                                                                                                                                                                                                                                   |

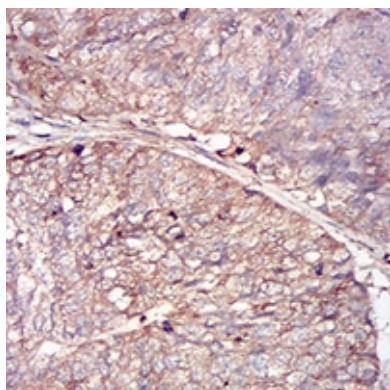
## Images

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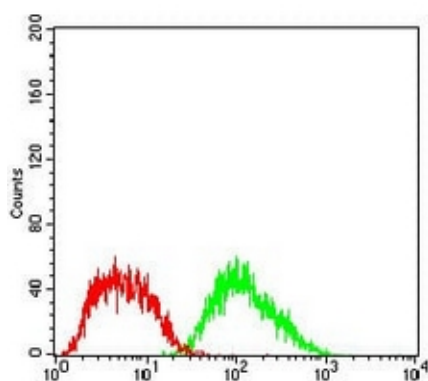
Western blot analysis of Ferritin L expression in HepG2 (A), K562 (B) whole cell lysates. (Predicted band size: 20



kD; Observed band size: 22 kD)



Immunohistochemical analysis of Ferritin L staining in human ovarian cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HepG2 cells using Anti-Ferritin L Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.