

## Rabbit anti-Human Ferritin light chain Polyclonal Antibody

Anti-Ferritin light chain Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                      |
|-----------|--------|------------|-----------------------------------------------------------------------------------|
| AAA258905 | Rabbit | Human      | Immunofluorescence, Immunocytochemistry, Immunoprecipitation, Western Blot, ELISA |

### PRODUCT SYNONYMS

Ferritin light chain; Polyclonal Antibody; Anti-Ferritin light chain Antibody; Rabbit Polyclonal; ferritin; light polypeptide; Anti-LFTD Antibody; Anti-MGC71996 Antibody; Anti-NBIA3 Antibody; anti-Ferritin light chain antibody

### PRODUCT SPECIFICATIONS

|                                                                |                                                                                                                                                                                                                                                                       |
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| Host                                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                                     | Human                                                                                                                                                                                                                                                                 |
| Clonality                                                      | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                                    | Human Ferritin light chain                                                                                                                                                                                                                                            |
| Purity/Purification                                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-Ferritin light chain antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot), ELISA                                                                                                                                                                |
| Immunogen                                                      | Recombinant Human Ferritin light chain Protein                                                                                                                                                                                                                        |
| Preparation                                                    | Produced in rabbits immunized with purified, recombinant Human Ferritin light chain (rh Ferritin light chain). Ferritin light chain specific IgG was purified by Human Ferritin light chain affinity chromatography.                                                  |
| Preparation and Storage                                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

Anti-Ferritin light chain rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 19 kDa Observed band size: 19 kDa



#### IP (Immunoprecipitation)

FTL was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate Lane B: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-FTL rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-FTL rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 21 kDa Observed band size :21 kDa



#### IF (Immunofluorescence)

Immunofluorescence staining of His-FTL in A549 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human His-FTL polyclonal antibody (dilution ratio 1:100) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.

### ADDITIONAL INFORMATION

|                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Ferritin light chain antibody | Ferritin, light polypeptide (FTL) is the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Storage of iron in the tissues occurs in the form of ferritin and hemosiderin. The latter originates from ferritin that has undergone intracellular digestion of its protein shell, leaving the iron core. Ferritin and hemosiderin are components of a continuum. Ferritin has been identified in all types of living organisms: animals, plants, molds, and bacteria. Within the protein shell of ferritin, iron is first oxidized to the ferric state for storage as ferric oxyhydroxide. Thus, ferritin removes excess iron from the cell sap where it could otherwise participate in peroxidation mechanisms. |
| References                                                         | Munro HN, et al. (1988) The ferritin genes: structure, expression, and regulation. Ann N Y Acad Sci. 526: 113-23.<br>Zhang Y, et al. (2008) Comparative proteomic analysis of human placenta derived from assisted reproductive technology. Proteomics. 8 (20): 4344-56.<br>Lebo RV, et al. (1986) Human ferritin light chain gene sequences mapped to several sorted chromosomes. Hum Genet. 71 (4): 325-8.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ferritin-light-chain-antibody-immunofluorescence-immunocytochemistry-immunoprecipitation-western-blot-elisa/258905>