

Anti-Ferritin heavy chain 1/FTH1 Antibody (5N760)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human, Mouse |
| Conjugation: | Unconjugated |
| Clone: | 5N760 |
| Purification: | Affinity-chromatography |

Applications

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| Verified Activity: | <ol style="list-style-type: none">Western Blot<ul style="list-style-type: none">-Positive WB detected in: Mouse Liver tissue lysate-All lanes:Ferritin antibody at 1:500-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 21 kDa-Observed band size: 21 kDaImmunofluorescence staining of HepG2 with TMAH-00459 at 1:10, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 497-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).Overlay Peak curve showing 293 cells stained with TMAH-00459 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed. |
| Application: | ELISA,FCM,IF,WB |
| Recommended | WB:1:500-1:2000; IF:1:50-1:200; FCM:1:50-1:200. |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthetic peptide: Human FTH1 |
| Antigen Species: | Human |
| Gene ID: | 2495 |
| Uniprot ID: | P02794 |
| Synonyms: | FTH;Ferritin H subunit;Cell proliferation-inducing gene 15 protein;FTHL6;Ferritin heavy chain;FTH1 |
| Biology Area: | Neuroscience, Cancer, Cardiovascular, Metabolism, Signal transduction |

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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