

Anti-Ferritin light chain Antibody (7V55)

Product Details

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|---------------|-------------------------|
| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 7V55 |
| Purification: | Affinity-chromatography |

Applications

1. IHC image of TMAH-00462 diluted at 1:50 and staining in paraffin-embedded human glioma cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.29% DAB.

Verified Activity: 2. Overlay Peak curve showing MCF-7 cells stained with TMAH-00462 (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 ($1\mu\text{g}/1*10^6$ 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 ($1\mu\text{g}/1*10^6$ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA,FCM,IHC

Recommended IHC:1:50-1:200; FCM:1:50-1:200.

Properties

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 FTL |
| Antigen Species: | Human |
| Gene ID: | 2512 |
| Uniprot ID: | P02792 |
| Synonyms: | MGC71996;ferritin, light polypeptide;LFTD;NBIA3 |
| Biology Area: | Neuroscience, Cancer, Cardiovascular, Metabolism, Signal transduction |

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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