

Anti-Human Ferritin Light Chain Antibody (4A427)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 20 kDa. Actual: 27 kDa.
Clone:	4A427
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Recombinant Human Ferritin Light Chain Protein at 500 ng Primary: Mouse Anti-Ferritin Light Chain Antibody at 1/1000 dilution (Cat. TMAB-07428) Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
	Predicted band size: 19 kD Observed band size: 27 kD
	2. Measured by its binding ability in a indirect ELISA. Immobilized Human FTL, His Tag at 2 µg/mL (100 µL/well) can bind Anti-Human PSA monoclonal antibody, the minimum detection concentration is 0.2 ng/mL
Application:	WB,ELISA
Recommended	WB: 1:500-2000; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Ferritin Light Chain
Antigen Species:	Human
Gene ID:	2512
Uniprot ID:	P02792

Research Background

This gene encodes 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. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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