

Datasheet for ABIN4949671

anti-FTL antibody (AA 38-165)



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2 Images

Overview

Quantity:	100 µg
Target:	FTL
Binding Specificity:	AA 38-165
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FTL antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 38-165 of human FTL were used as the immunogen for this Ferritin Light Chain antibody.
Clone:	FTL-1388
Isotype:	IgG2a
Purification:	Protein G affinity chromatography

Target Details

Target:	FTL
Alternative Name:	Ferritin (light chain) / FTL1 (FTL Products)

Target Details

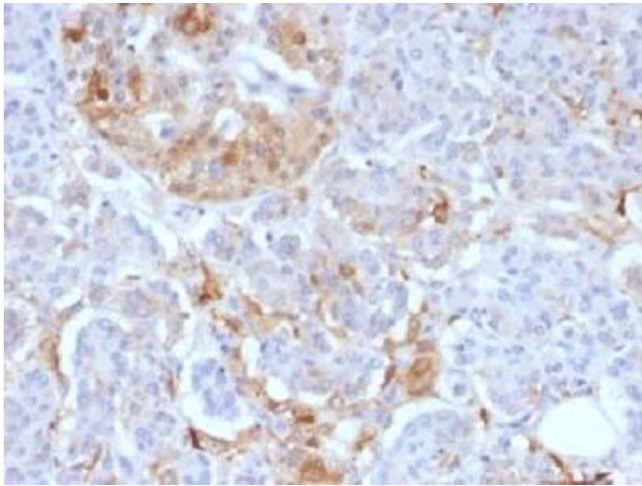
Background:	The FTL gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. This gene has multiple pseudogenes. Although ferritin light chain has no ferroxidase activity, the light chain may be responsible for the electron transfer across the ferritin protein cage. [Wiki]
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Optimal dilution of the Ferritin Light Chain antibody should be determined by the researcher.\. FACS: 0.1-0.2 µg/10⁶ cells,IF: 0.1-0.2 µg/mL,IHC (FFPE): 0.1-0.2 µg/mL for 30 min at RT
Restrictions:	For Research Use only

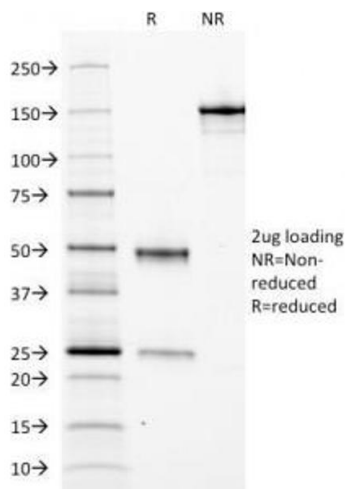
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Ferritin Light Chain antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE human pancreas with Ferritin Light Chain antibody (clone FTL/1388). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min.



SDS-PAGE

Image 2. SDS-PAGE Analysis of Purified, BSA-Free Ferritin Light Chain Antibody (clone FTL/1388). Confirmation of Integrity and Purity of the Antibody.