

Datasheet for ABIN6937276
anti-FTL antibody (AA 38-165)



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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:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa 38-165) of human FTL protein (exact sequence is proprietary)
Clone:	FTL-1389
Isotype:	IgG1 kappa
Specificity:	Mammalian ferritins consist of 24 subunits made up of 2 types of polypeptide chains, ferritin heavy chain and ferritin light chain. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of Fe (II), whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of Fe (III). Light chain ferritin is involved in cataracts by at least two mechanisms, hereditary hyperferritinemia cataract syndrome, in which light chain ferritin is overexpressed, and oxidative stress, an important factor in the development of ageing-related cataracts.

Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: FTL

Alternative Name: FTL ([FTL Products](#))

Background: Ferritin L chain, Ferritin L subunit, Ferritin light chain, Ferritin light polypeptide, FTL, LFTD, NBIA3, Ferritin, Light Chain (Node-Negative Breast Tumor Prognostic Marker)
Cellular localisation: Cytoplasmic

Molecular Weight: 19-25kDa

Gene ID: 2512, 433670

UniProt: [P02792](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Positive_Control: HepG2, HeLa, HL-60 or 293T cells. Pancreas, Liver, Kidney, Cerebellum or Testis.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months