

Datasheet for ABIN6937277

Recombinant 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
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This FTL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 38-165) of human FTL protein (exact sequence is proprietary)
Clone:	RFTL-1388
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

Product Details

	cataracts.
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: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), 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.

Handling

Expiry Date: 24 months