Datasheet for ABIN6252003

anti-Ferritin antibody (AA 38-165)

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Overview

Quantity:	100 µg
Target:	Ferritin (FE)
Binding Specificity:	AA 38-165
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ferritin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Amino acids 38-165 of human FTL were used as the immunogen for this Ferritin antibody (light chain specific).
Clone:	FTLC1-1
Isotype:	IgG2b
Purification:	Protein G affinity chromatography

Target Details

Target:	Ferritin (FE)
Alternative Name:	Ferritin (FE Products)

Target Details

Background:	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.
Gene ID:	2512
UniProt:	P02792
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Western blot: 1-2 µg/mL Flow Cytometry: 0.5-1 µg/10^6 cells IF: 1-2 µg/mL IHC (FFPE): 0.5-1 µg/mL for 30 min at RT (1) The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Ferritin antibody to be titered up or down for optimal performance. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.