

Mouse anti-Human Ferritin, Light Chain Monoclonal Antibody | anti-FTL antibody

Ferritin, Light Chain (Node-Negative Breast Tumor Prognostic Marker) Mouse Monoclonal Antibody [Clone FTL/3100]

CATALOG # AAA215666	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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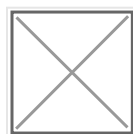
PRODUCT SYNONYMS

Ferritin; Light Chain; Monoclonal Antibody; Light Chain (Node-Negative Breast Tumor Prognostic Marker) Mouse Monoclonal Antibody [Clone FTL/3100]; Light Chain (Node-Negative Breast Tumor Prognostic Marker); Ferritin L chain; Ferritin L subunit; Ferritin light chain; Ferritin light polypeptide; FTL; LFTD; NBIA3; anti-FTL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	FTL/3100
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-FTL antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa 38-165) of human FTL protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Positive Control	HepG2 or 293T cells. Human pancreas, liver or testis.
Hu-chromosome Location	19q13.33
Unigene	433670
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human kidney stained with Ferritin, Light Chain Mouse Monoclonal Antibody (FTL/3100).

ADDITIONAL INFORMATION

Related Product Information for anti-FTL antibody	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 hyper-ferritinemia cataract syndrome, in which light chain ferritin is overexpressed, and oxidative stress, an important factor in the development of ageing-related cataracts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20149498
NCBI GeneID	2512
NCBI Accession #	NP_000137.2
NCBI GenBank Nucleotide #	NM_000146.3
UniProt Accession #	P02792; Q6IBT7; Q7Z2W1; Q86WI9; Q8WU07; Q96AU9; Q96CU0; Q9BTZ8; B2R4B9
Molecular Weight	20,020 Da
NCBI Official Full Name	ferritin light chain
NCBI Official Synonym Full Names	ferritin, light polypeptide
NCBI Official Symbol	FTL
NCBI Official Synonym Symbols	LFTD; NBIA3
NCBI Protein Information	ferritin light chain; ferritin L subunit; ferritin L-chain; ferritin light polypeptide-like 3
UniProt Protein Name	Ferritin light chain
UniProt Gene Name	FTL
UniProt Synonym Gene Names	Ferritin L subunit
UniProt Entry Name	FRIL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ferritin-light-chain-antibody-clone-ftl-3100-immunohistochemistry-elisa/215666>