

Rabbit anti-Human Ferritin Light Chain Monoclonal Antibody | anti-FTL antibody

Ferritin Light Chain Rabbit mAb

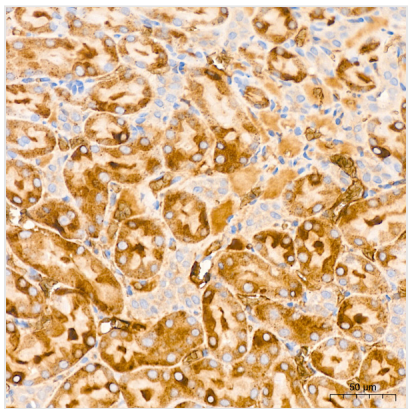
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28453	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

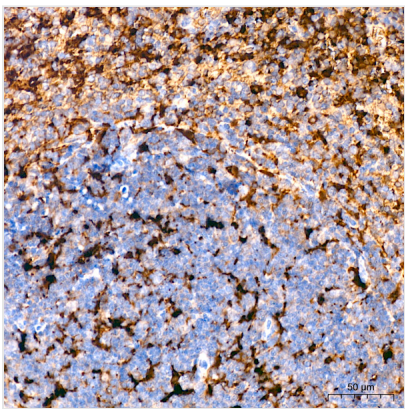
Ferritin Light Chain; Monoclonal Antibody; Ferritin Light Chain Rabbit mAb; LFTD; NBIA3; anti-FTL antibody

PRODUCT SPECIFICATIONS

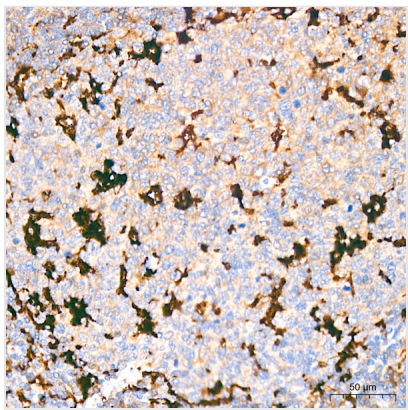
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSSQIRQNYSDVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEKEREGYERLLKMQ NQRGGRALFQDIKKPAEDEWGKTPDAMKAA MALEKKLNQALLDLHALGSA RTDPHLCDFLETHFLDEEVK LIKKMGDHLTLHRLGGPEA GLGEYLFERL TLKHD
Applicable Applications for anti-FTL antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:2000-1:9000 IHC-P: 1:400-1:2000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-175 of human Ferritin Light Chain (NP_000137.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



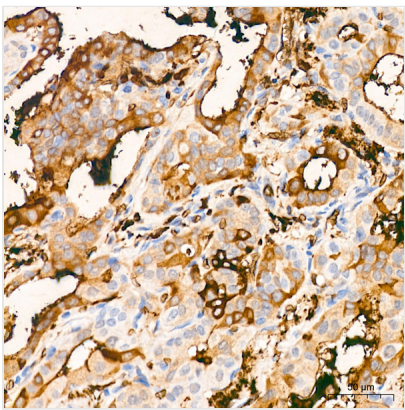
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Ferritin Light Chain Rabbit mAb (AAA28453) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



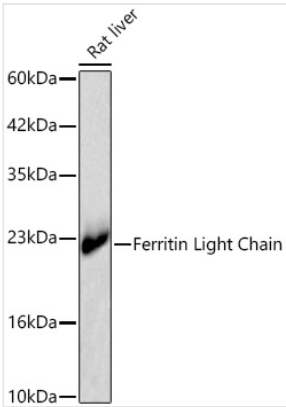
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Ferritin Light Chain Rabbit mAb (AAA28453) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



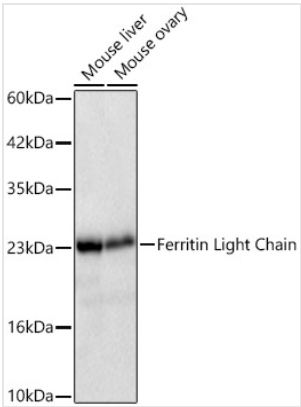
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Ferritin Light Chain Rabbit mAb (AAA28453) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human thyroid tissue using Ferritin Light Chain Rabbit mAb (AAA28453) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from Rat liver using Ferritin Light Chain Rabbit mAb (AAA28453) at 1:2000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.



WB (Western Blot)
Western blot analysis of various lysates using Ferritin Light Chain Rabbit mAb (AAA28453) at 1:2000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-FTL antibody	This 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. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes.
Product Categories/Family for anti-FTL antibody	Cancer; Signal Transduction; Endocrine Metabolism; Neuroscience; Neurodegenerative Diseases; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease; Cardiovascular; Blood; Serum Proteins; Antibodies

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	Calculated MW: 20kDa Observed MW: 20kDa
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-western-blot-immunohistochemistry-elisa/28453>