

Ferritin H Recombinant Antibody | FTH1 recombinant antibody

Anti-Ferritin H [4C9], Mouse IgG1, kappa

CATALOG # AAA72559	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA, Immunohistochemistry
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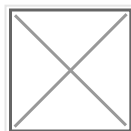
PRODUCT SYNONYMS

Ferritin H; Monoclonal Recombinant Antibody; Anti-Ferritin H [4C9]; Mouse IgG1; kappa; FTH1; FTHL6; AIF; acidic isoferritin; Ferritin heavy chain; Ferritin H subunit; FTH1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	4C9
Specificity	This antibody binds human acidic isoferritin. Ferritin is a protein that catalyzes the oxidation of ferrous iron(II) to ferric iron(III) and stores iron in a soluble, non-toxic, readily available form. Ferritin is important for iron homeostasis. Ferritins occur as many isoforms, all of which are composed of various combinations of the two primary subunits, H and L. Acidic isoferritins have high proportions of H subunit.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for FTH1 recombinant antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-Ferritin H antibody 4C9 (AAA72559). Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with the anti-unknown specificity antibody or the rabbit IgG version of 4C9 (AAA72559, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACScan flow cytometer.

IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells. Cells were fixed with paraformaldehyde, permeabilized with Triton, and stained with the chimeric rabbit IgG (AAA72559, DAPI, merge).

ADDITIONAL INFORMATION

Related Product Information for FTH1 recombinant antibody	The original antibody was generated by immunizing BALB/c mice with acidic isoferritin (AIF) from primary hepatic carcinoma (PHC) tissues.
References	You et al. Evaluation of clinical significance of isoferritin by development of new monoclonal antibodies specific for acidic isoferritin. Hybridoma. 2001 Aug;20(4):243-8. N/A11604110 Note on publication: Describes the generation and characterization of two antibodies against acidic ferritin.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56682959
NCBI GeneID	2495
NCBI Accession #	NP_002023.2
NCBI GenBank Nucleotide #	NM_002032.2
UniProt Accession #	P02794; Q3KRA8; Q3SWW1; B3KNR5
Molecular Weight	21,226 Da
NCBI Official Full Name	ferritin heavy chain
NCBI Official Synonym Full Names	ferritin, heavy polypeptide 1
NCBI Official Symbol	FTH1
NCBI Official Synonym Symbols	FHC; FTH; PLIF; FTHL6; PIG15
NCBI Protein Information	ferritin heavy chain; apoferritin; ferritin H subunit; placenta immunoregulatory factor; proliferation-inducing protein 15; cell proliferation-inducing gene 15 protein
UniProt Protein Name	Ferritin heavy chain
UniProt Gene Name	FTH1
UniProt Synonym Gene Names	FTH; FTHL6; Ferritin H subunit
UniProt Entry Name	FRIH_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-h-recombinant-antibody-clone-4c9-western-blot-immunohistochemistry-elisa/72559>