

FTH1 recombinant antibody

FTH1 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279142	HEK293F Cell	Human, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

FTH1; Monoclonal Recombinant Antibody; FTH1 Recombinant Monoclonal Antibody; Apoferritin; Cell proliferation inducing gene 15 protein; Cell proliferation-inducing gene 15 protein; F HC; Ferritin H subunit; Ferritin heavy chain; Ferritin heavy polypeptide 1; FHC; FRIH; FRIH_HUMAN; FTH 1; FTH; FTH1 protein; FTHL 6; FTHL6; Iron overload autosomal dominant; MGC104426; N-terminally processed; OK/SW-cl.84; PIG 15; PIG15; Placenta immunoregulatory factor; PLIF; Proliferation inducing gene 15 protein; Proliferation inducing protein 15; FTH1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	12H1
Purity/Purification	Affinity purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for FTH1 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human FTH1 protein
Conjugation	Non-conjugated
Research Area	Neuroscience; Cancer; Cardiovascular; Metabolism; Signal transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing 293 cells stained with AAA279142 (red line) at 1:50. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



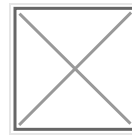
IHC (Immunohistochemistry)

IHC image of AAA279142 diluted at 1:50 and staining in paraffin-embedded human rectal cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)

IHC image of AAA279142 diluted at 1:50 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: U251 whole cell lysate, JK whole cell lysateAll lanes: FTH1 antibody at 1:500SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 22 kDaObserved band size: 22 kDa

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/fth1-recombinant-antibody-clone-12h1-flow-cytometry-immunohistochemistry-western-blot-elisa/279142>