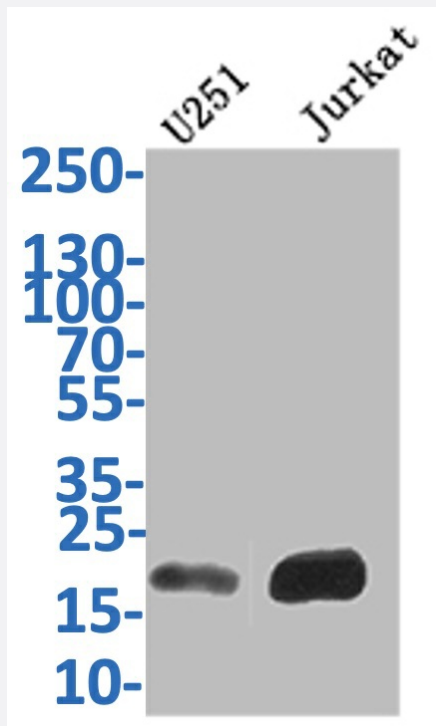


RecomAb™

FTH1 recombinant monoclonal antibody, clone 18C10

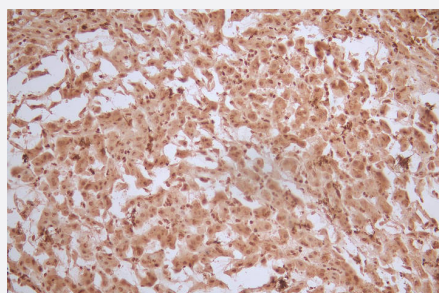
Catalog # RAB07798 Size 100 uL

Applications



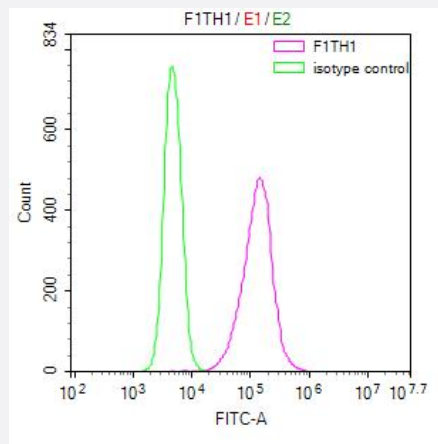
Western Blot

Western Blot analysis of Lane 1: U251 whole cell lysate; Lane 2: JK whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of HIST1H3A recombinant monoclonal antibody, clone 28H10 diluted at 1:50 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system.



Flow Cytometry

Immunofluorescence staining of 293 Cells with HIST1H3A recombinant monoclonal antibody, clone 28H10 at 1:50, counter-stained with DAPI.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and mouse FTH1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FTH1.
Theoretical MW (kDa)	Calculated MW: 22
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: U251 whole cell lysate; Lane 2: JK whole cell lysate.

- Immunohistochemistry

Immunohistochemistry image of HIST1H3A recombinant monoclonal antibody, clone 28H10 diluted at 1:50 and staining in paraffin-embedded human liver tissue performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Immunofluorescence staining of 293 Cells with HIST1H3A recombinant monoclonal antibody, clone 28H10 at 1:50, counter-stained with DAPI.

Gene Info — FTH1

Entrez GeneID [2495](#)

Protein Accession# [P02794](#)

Gene Name FTH1

Gene Alias FHC, FTH, FTHL6, MGC104426, PIG15, PLIF

Gene Description ferritin, heavy polypeptide 1

Omim ID [134770](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the heavy subunit of ferritin, 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 ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq]

Other Designations apoferritin|placenta immunoregulatory factor|proliferation-inducing protein 15

Pathway

- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Parkinson disease](#)