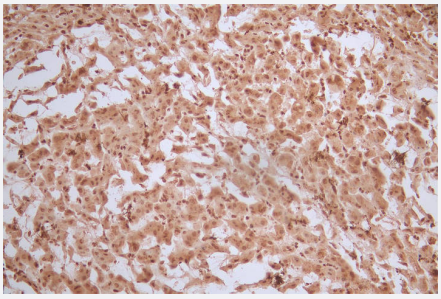
RecomAb™ Sm Size

FTH1 recombinant monoclonal antibody, clone 18C10

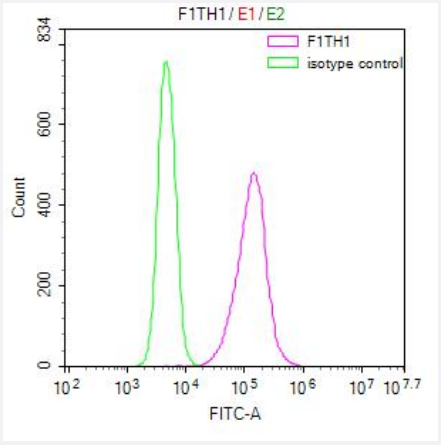
Catalog # RAB08682 Size 50 uL

Applications



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.

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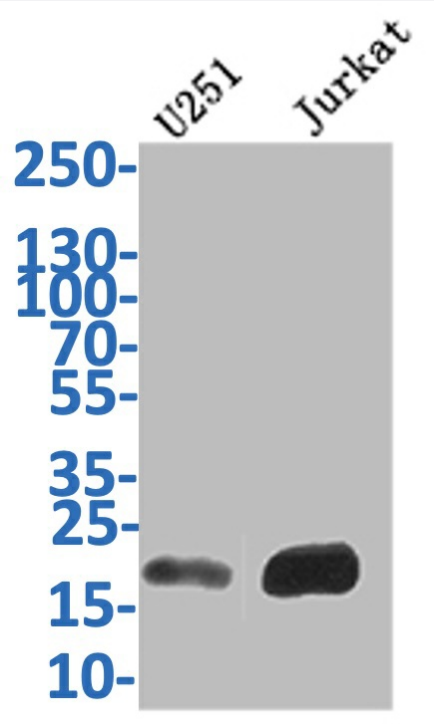

Western Blot

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

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
Preparation Method	Mammalian cell (HEK293) expression system
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)

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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 shoul d be handled by trained staff only.

Applications

- 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.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

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

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

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Gene Summary	This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prok aryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variati on in ferritin subunit composition may affect the rates of iron uptake and release in different tissue s. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferriti n proteins are associated with several neurodegenerative diseases. This gene has multiple pseu dogenes. 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

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