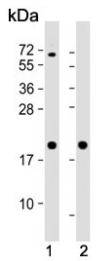
Ferritin heavy chain Antibody / FTH1 (F54896)

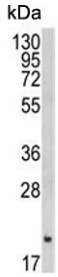
Catalog No.	Formulation	Size
F54896-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54896-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

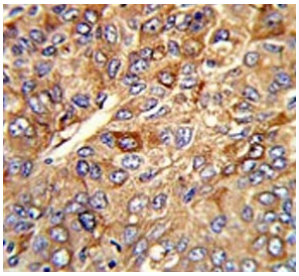
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P02794
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
Limitations	This Ferritin heavy chain antibody is available for research use only.



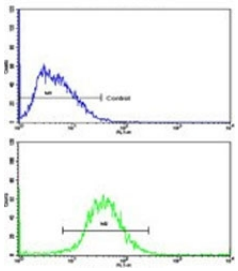
Western blot testing of human 1) HeLa and 2) HT-29 cell lysate with Ferritin heavy chain antibody. Predicted molecular weight ~21 kDa.



Western blot testing of human A2058 cell lysate with Ferritin heavy chain antibody. Predicted molecular weight ~21 kDa.



IHC testing of FFPE human hepatocellular carcinoma tissue with Ferritin heavy chain antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HepG2 cells with Ferritin heavy chain antibody; Blue=isotype control, Green= Ferritin heavy chain antibody.

Description

FTH1 is 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Ferritin heavy chain antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 154-183 from the human protein was used as the immunogen for the Ferritin heavy chain antibody.

Storage

Aliquot the Ferritin heavy chain antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.