abcam

ab194947

Anti-Ferritin Heavy Chain antibody - C-terminal

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.09% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human FTH1 aa 150 to C-terminus conjugated to Keyhole Limpet Haemocyanin. The exact immunogen used to generate this antibody is proprietary information. Database link P02794
Purification technique	Affinity purification Immunogen
Concentration	0.3 - 1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Predicted

Species	Rabbit, Dog, Orangutan

Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	-

Predicted

Species	Rabbit, Dog, Orangutan
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Rabbit, Dog, Orangutan
Dilution info	-
Notes	-

Target data

See full target information FTH1

Function	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity (PubMed:9003196). Iron is taken up in the

ferrous form and deposited as ferric hydroxides after oxidation (PubMed:9003196). Also plays a role in delivery of iron to cells (By similarity). Mediates iron uptake in capsule cells of the developing kidney (By similarity). Delivery to lysosomes is mediated by the cargo receptor NCOA4 for autophagic degradation and release of iron (PubMed:24695223, PubMed:26436293).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

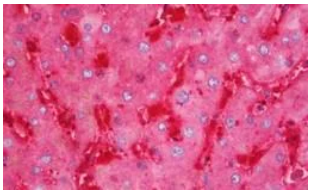
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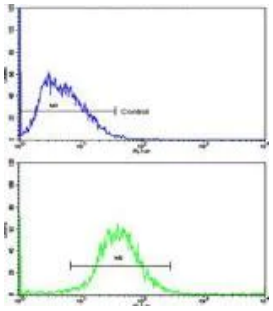
2 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ferritin Heavy Chain antibody - C-terminal (ab194947)

Ferritin Heavy Chain Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Ferritin Heavy Chain antibody

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human liver tissue, labeling Ferritin Heavy Chain using ab194947 at a 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-Ferritin Heavy Chain antibody - C-terminal (ab194947)

Ferritin Heavy Chain Flow Cytometry (Intracellular) staining using rabbit Anti-Ferritin Heavy Chain antibody

Intracellular Flow Cytometry analysis of HepG2 cells labeling Ferritin Heavy Chain (bottom histogram), using ab194947 at a 1/10 dilution, and negative control cells (top histogram). FITC-conjugated Goat anti-Rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.