

ARG41439 anti-Ferritin Heavy Chain antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Ferritin Heavy Chain
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Ferritin Heavy Chain
Species	Human
Immunogen	Synthetic peptide of Human Ferritin.
Conjugation	Un-conjugated
Alternate Names	Cell proliferation-inducing gene 15 protein; HFE5; FHC; PIG15; PLIF; Ferritin H subunit; FTH; Ferritin heavy chain; EC 1.16.3.1; FTHL6

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 20 kDa	

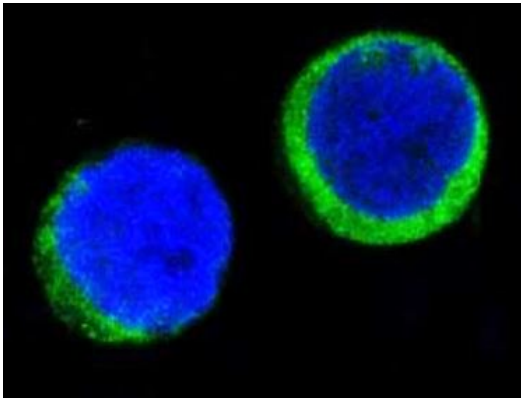
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

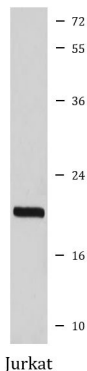
Gene Symbol	FTH1
Gene Full Name	ferritin, heavy polypeptide 1
Background	This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition 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, Jul 2008]
Function	Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney (By similarity). [UniProt]
Calculated Mw	21 kDa

Images



ARG41439 anti-Ferritin antibody ICC/IF image

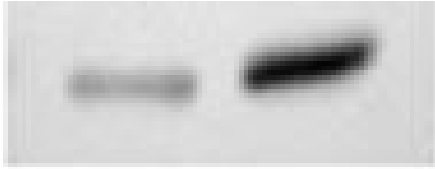
Immunofluorescence: Jurkat cells stained with ARG41439 anti-Ferritin antibody.



ARG41439 anti-Ferritin antibody WB image

Western blot: Jurkat cell lysate stained with ARG41439 anti-Ferritin antibody.

FTH



ARG41439 anti-Ferritin antibody WB image

Western blot: GBC-SD cells stained with ARG41439 anti-Ferritin antibody.

From Desen Fan et al. Heliyon (2024), [doi: 10.1016/j.heliyon.2024.e30260](https://doi.org/10.1016/j.heliyon.2024.e30260), Fig. 4. B.
