

Product datasheet for **TA335033**

Ferritin Heavy Chain (FTH1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-FTH1 antibody: synthetic peptide directed towards the middle region of human FTH1. Synthetic peptide located within the following region: NVNQSLLELHKLATDKNDPHLCDFIETHYLNEQVKAIKELGDHVTNLRKM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21 kDa
Gene Name:	ferritin heavy chain 1
Database Link:	NP_002023 Entrez Gene 2495 Human P02794



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Background:

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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

FHC; FTH; FTHL6; HFE5; PIG15; PLIF

Note:

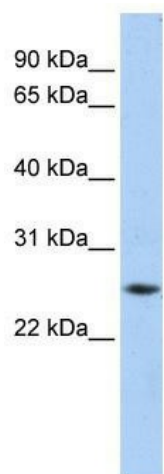
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Goat: 93%; Sheep: 93%; Bovine: 93%

Protein Families:

Druggable Genome

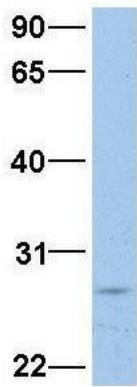
Protein Pathways:

Porphyrin and chlorophyll metabolism

Product images:

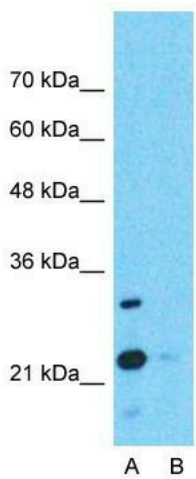
WB Suggested Anti-FTH1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: Jurkat cell lysate

FTH1



Rabbit Anti-FTH1
 Sample Type: Human HeLa
 Antibody Concentration: 1ug/mL

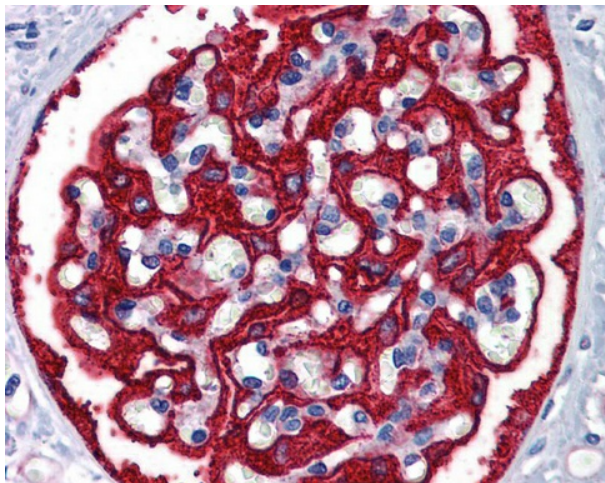
Host: Rabbit; Target Name: FTH1; Sample Tissue: HeLa; Antibody Dilution: 1.0 ug/ml FTH1 is supported by BioGPS gene expression data to be expressed in HeLa



Anti-FTH1 Western Blot & Peptide Block Validation

Lysate: Jurkat Cell
 Lane A: Primary Antibody
 Lane B: Primary Antibody + Blocking Peptide
 Primary Antibody Concentration: 1.0µg/ml
 Peptide Concentration: 5.0µg/ml
 Lysate Quantity: 25µg/lane
 Gel Concentration: 12%

Host: Rabbit; Target Name: FTH1; Sample Tissue: Jurkat; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 1 ug/ml; Peptide Concentration: 5 ug/ml; Lysate Quantity: 25 ug/lane/lane; Gel Concentration: 0.



Kidney