

Datasheet for 100-401-090**Ferritin Antibody****Overview**

Description:	Anti-Ferritin (Human Spleen) (RABBIT) Antibody - 100-401-090
Item No.:	100-401-090
Size:	2 mL
Applications:	IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Ferritin stores iron in a soluble, non-toxic, readily available form. It is important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Ferritin also plays a role in delivery of iron to cells and mediates iron uptake in capsule cells of the developing kidney.
Synonyms:	rabbit anti-ferritin antibody, Ferritin H subunit, Ferritin heavy chain like, Ferritin heavy polypeptide 1, Ferritin L subunit, Ferritin light chain like, Ferritin light polypeptide, Ferritin, heavy polypeptide, FTH
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	FTH1
Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Ferritin [Human Spleen]

Purity/Specificity: This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Ferritin [Human Spleen]. Cross reactivity against Ferritin from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [NCBI - AAH66341.1](#)
- [UniProtKB - P02794](#)
- [GeneID - 2495](#)

Application Details

Tested Applications: IHC

Application Note: Anti-Ferritin has been tested by immunohistochemistry and is suitable in western blot and to be assayed against 1.0 ug of Ferritin [Human Spleen] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:40,000 of the reconstitution concentration is suggested for this product.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000 - 1:100,000

IHC: 1:100

WB: 1:2,000 - 1:10,000

Formulation

Physical State: Lyophilized

Concentration: 90 mg/mL by Refractometry

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

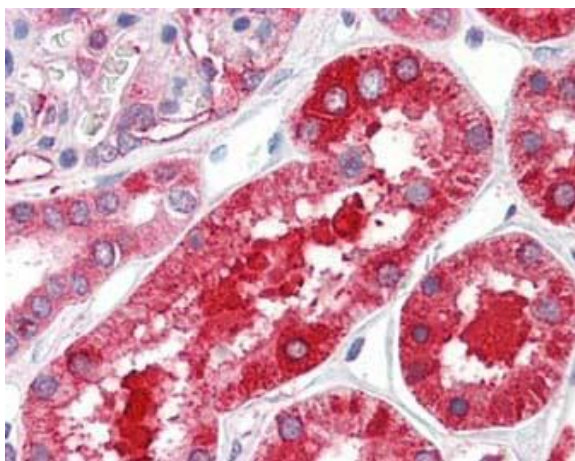
Reconstitution Volume: 2.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of Ferritin antibody. Tissue: human Kidney. Fixation: formalin fixed paraffin embedded. Antigen retrieval: user optimized. Primary antibody: 100-401-090 anti-Ferritin antibody at 1:100. Secondary antibody: Peroxidase goat anti-rabbit at 1:10,000 for 45 min at RT. Image provided courtesy of Andrew Elston, LifeSpan BioSciences, Inc.

Disclaimer

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