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Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated

Ferritin Antibody Peroxidase Conjugated
Catalog # ASR4509

Specification

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Peroxidase (Horseradish)**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-Ferritin (Human Spleen) Peroxidase Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 µg of Ferritin [Human Spleen] in a standard capture ELISA using 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 1:12,000 to 1:60,000 of the reconstitution concentration is suggested for Anti-Ferritin (Human Spleen) Antibody.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Ferritin [Human Spleen]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Stabilizer	**10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Additional Information

Gene ID 2495

Other Names
2495

Purity
Anti-Ferritin (Human Spleen) Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit

Serum as well as purified and partially purified Ferritin [Human Spleen]. Cross reactivity against Ferritin from other sources is unknown.

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.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Protein Information

Name FTH1

Synonyms FTH, FTHL6

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).

Cellular Location
Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome

Tissue Location
Expressed in the liver.

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Images

Anti-FERRITIN (Human Spleen) (RABBIT) Antibody Peroxidase Conjugated - Background

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Ferritin is a intracellular protein that directly stores iron and regulates its release, specifically acting as a buffer for iron in humans. Ferritin is composed of 24 subunits and comes in two types, H and L. The H subunit detoxifies iron while the L subunit deals with long term storage of iron. Depending on the concentration of ferritin in the blood, different disorders and diseases could be present in an individual.

Anti-Ferritin (Human Spleen) Antibody is ideal for investigators in Cancer, Immunology, and Cardiovascular Research.