

## Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody Catalog # ABO15220

### Specification

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#### Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P02794</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

#### Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody - Additional Information

Gene ID 2495

#### Other Names

Ferritin heavy chain, Ferritin H subunit, 1.16.3.1, Cell proliferation-inducing gene 15 protein, Ferritin heavy chain, N-terminally processed, FTH1, FTH, FTHL6

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Ferritin Heavy Chain

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody - 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](http://www.uniprot.org/citations/9003196)). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (PubMed:[9003196](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/24695223), PubMed:[26436293](http://www.uniprot.org/citations/26436293)).

### Cellular Location

Cytoplasm. Lysosome. Cytoplasmic vesicle, autophagosome

### Tissue Location

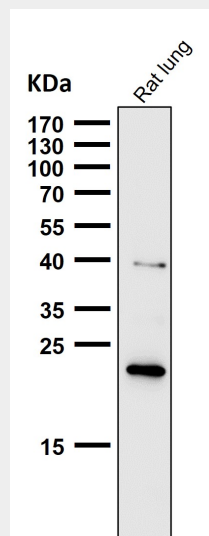
Expressed in the liver.

## Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody - Protocols

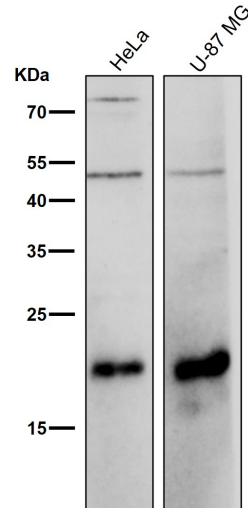
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

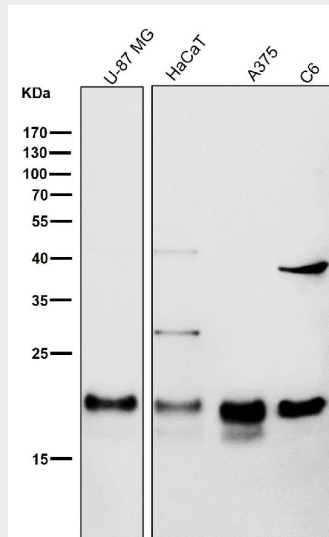
## Anti-Ferritin Heavy Chain Rabbit Monoclonal Antibody - Images



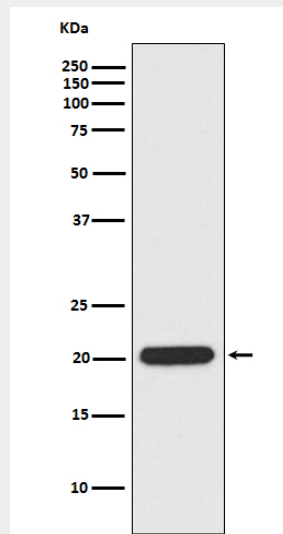
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:500 dilution for 1 hour at room temperature.



Western blot analysis of Ferritin Heavy Chain expression in HeLa cell lysate.