

**Product Name: Ferritin Heavy Chain Rabbit Polyclonal Antibody**  
**Catalog #: APRab03725**

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## Summary

<b>Production Name</b>	Ferritin Heavy Chain Rabbit Polyclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF
<b>Reactivity</b>	Human, Mouse, Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

## Immunogen

<b>Gene Name</b>	FTH1
<b>Alternative Names</b>	FTH1; FTH; FTHL6; OK/SW-cl.84; PIG15; Ferritin heavy chain; Ferritin H subunit; Cell proliferation-inducing gene 15 protein
<b>Gene ID</b>	2495
<b>SwissProt ID</b>	P02794

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IF: 1/50-1/200
<b>Molecular Weight</b>	Calculated MW: 21 kDa; Observed MW: 21 kDa

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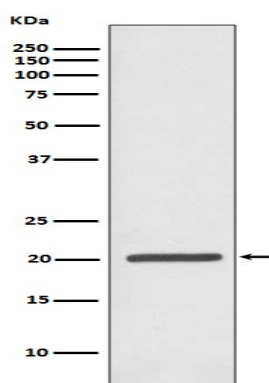
## Background

The assembled ferritin molecule, often referred to as a nanocage, can store up to 4,500 atoms of iron. It forms a holoenzyme of ~450 kDa, consisting of 24 subunits made up of two types of polypeptide chains: ferritin heavy chain and ferritin light chain, each having unique functions. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of Fe(II), whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of Fe(III).

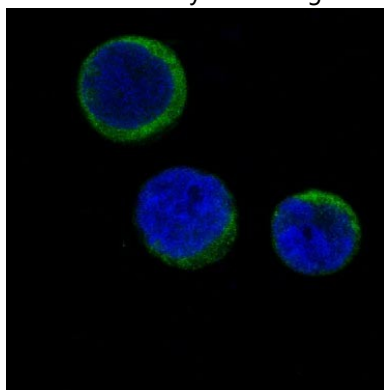
## Research Area

Neuroscience

## Image Data



Western blot analysis of Ferritin in Jurkat lysates using Ferritin Heavy Chain antibody.



Immunofluorescence analysis of Ferritin Heavy Chain in Jurkat using Ferritin antibody.

## Note

For research use only.