

**Product Name: Ferritin Heavy Chain Rabbit Monoclonal Antibody**  
**Catalog #: AMRe01562**

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## Summary

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

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal 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>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## 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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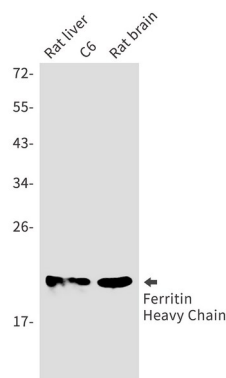
## Background

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).

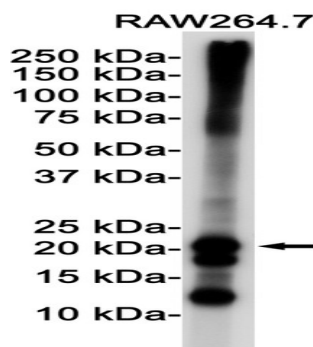
## Research Area

Neuroscience

## Image Data

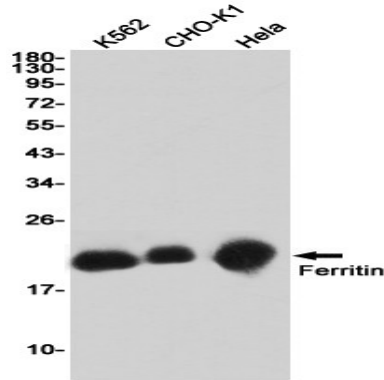


Western blot analysis of Ferritin Heavy Chain in rat liver, C6, rat brain lysates using Ferritin Heavy Chain antibody.

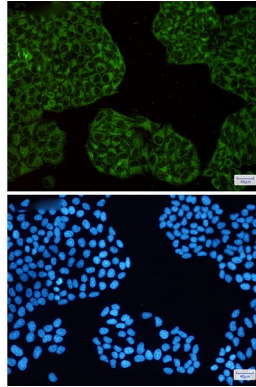


Western blot analysis of Ferritin in Raw264.7 lysates using Ferritin antibody.

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Western blot analysis of Ferritin in K562, CHO-K1, HeLa lysates using Ferritin antibody



Immunocytochemistry analysis of Ferritin(green) in HeLa using Ferritin antibody, and DAPI(blue).

**Note**

For research use only.