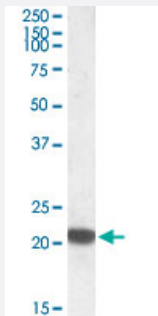


# FTH1 polyclonal antibody

Catalog # PAB11454      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

FTH1 polyclonal antibody (Cat # PAB11454) (0.05 ug/mL) staining of human placenta lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of FTH1.
<b>Immunogen</b>	A synthetic peptide corresponding to C-terminus of human FTH1.
<b>Sequence</b>	C-DKHTLGSDNES
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	21.2
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:4000) Western Blot (0.03-0.1 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FTH1

**Entrez GeneID** [2495](#)

**Protein Accession#** [NP\\_002023.2](#)

**Gene Name** FTH1

**Gene Alias** FHC, FTH, FTHL6, MGC104426, PIG15, PLIF

**Gene Description** ferritin, heavy polypeptide 1

**Omim ID** [134770](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary**

This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined. [provided by RefSeq]

**Other Designations** apoferritin|placenta immunoregulatory factor|proliferation-inducing protein 15

## Publication Reference

- [Ferritin L and H subunits are differentially regulated on a post-transcriptional level.](#)

Sammarco MC, Ditch S, Banerjee A, Grabczyk E.

The Journal of Biological Chemistry 2008 Feb; 283(8):4578.

Application: WB, Human, HEK293 cells

## Pathway

- [Porphyrin and chlorophyll metabolism](#)

## Disease

- [Parkinson disease](#)