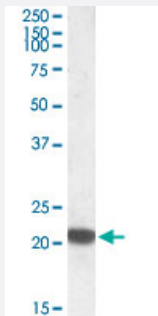


FTH1 polyclonal antibody

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

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

Applications

- Western Blot (Tissue lysate)

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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](#)