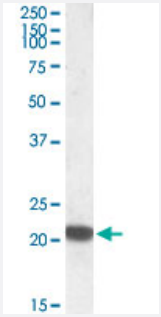
FTH1 polyclonal antibody

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-DKHTLGDSDNES
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)

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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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- 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.

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 prok aryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variati on in ferritin subunit composition may affect the rates of iron uptake and release in different tissue s. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferriti n proteins are associated with several neurodegenerative diseases. This gene has multiple pseu dogenes. 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

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- 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

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