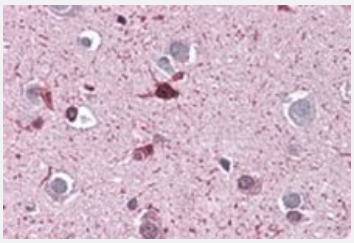
FTL polyclonal antibody

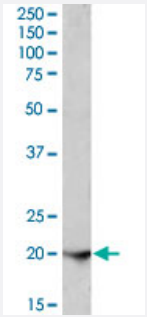
Catalog # PAB11455 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

FTL polyclonal antibody (Cat # PAB11455) (3.8 ug/mL) staining of paraffin embedded human brain cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot (Tissue lysate)

FTL polyclonal antibody (Cat # PAB11455) (0.1 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 FTL.
Immunogen	A synthetic peptide corresponding to C-terminus of human FTL.
Sequence	C-GEYLFERLTLKHD
Host	Goat
Theoretical MW (kDa)	20
Reactivity	Human
Form	Liquid

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:4000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-6 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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  FTL polyclonal antibody (Cat # PAB11455) (3.8 ug/mL) staining of paraffin embedded human brain cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  FTL polyclonal antibody (Cat # PAB11455) (0.1 ug/mL) staining of human placenta lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — FTL

Entrez GeneID	2512
Protein Accession#	NP_000137.2
Gene Name	FTL
Gene Alias	MGC71996
Gene Description	ferritin, light polypeptide
Omim ID	134790 600886 606159
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron stor age protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light fer ritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and releas e in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic stat e. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by Ref Seq
Other Designations	L apoferritin|ferritin L subunit|ferritin L-chain|ferritin light chain|ferritin light polypeptide-like 3

Publication Reference

- Simvastatin Promotes Hematoma Absorption and Reduces Hydrocephalus Following Intraventricular Hemorrhage in Part by Upregulating CD36.

  Chen Q, Shi X, Tan Q, Feng Z, Wang Y, Yuan Q, Tao Y, Zhang J, Tan L, Zhu G, Feng H, Chen Z.

  Translational Stroke Research 2017 Jan; [Epub].

  Application: WB-Ti, Rat, Rat brain

- Minocycline-induced attenuation of iron overload and brain injury after experimental germinal matrix hemorrhage.

  Guo J, Chen Q, Tang J, Zhang J, Tao Y, Li L, Zhu G, Feng H, Chen Z.

  Brain Research 2015 Jan; 1594:115.

  Application: WB-Ti, Rat, Brains

- Role of red blood cell lysis and iron in hydrocephalus after intraventricular hemorrhage.

  Gao C, Du H, Hua Y, Keep RF, Strahle J, Xi G.

  Journal of Cerebral Blood Flow and Metabolism 2014 Jun; 34(6):1070.

  Application: WB-Ti, Rat, Brain

- Deferoxamine Reduces Neuronal Death and Hematoma Lysis After Intracerebral Hemorrhage in Aged Rats.

  Hatakeyama T, Okauchi M, Hua Y, Keep RF, Xi G.

  Translational Stroke Research 2013 Oct; 4(5):546.

  Application: WB-Ti, Rat, Rat ipsilateral basal ganglia

- Oral administration of the flavanol (-)-epicatechin bolsters endogenous protection against focal ischemia through the Nrf2 cytoprotective pathway.

  Leonardo CC, Agrawal M, Singh N, Moore JR, Biswal S, Dore S.

  The European Journal of Neuroscience 2013 Dec; 38(11):3659.

  Application: WB-Ti, Mouse, Neurons

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- Genetic ablation of Nrf2/antioxidant response pathway in Alexander disease mice reduces hippocampal gliosis but does not impact survival.

  Hagemann TL, Jobe EM, Messing A.

  PLoS One 2012 May; 7(5):e37304.

  Application: WB-Ti, Mouse, Mouse brain

- Brain injury after intracerebral hemorrhage in spontaneously hypertensive rats Laboratory investigation.

  Gang Wu, Xuhui Bao, Guohua Xi, Richard F. Keep, B. Gregory Thompson, Ya Hua.

  Journal of Neurosurgery 2011 Feb; 114(6):1805.

  Application: WB-Ti, Rat, Rat brain

- 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

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease
- Huntington disease
- Lung Neoplasms
- Parkinson disease

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