

For Research Use Only

FECH Polyclonal antibody

Catalog Number: 14466-1-AP

24 Publications



Basic Information

Catalog Number:

14466-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5814

GenBank Accession Number:

BC039841

GeneID (NCBI):

2235

UNIPROT ID:

P22830

Full Name:

ferrochelatase (protoporphyrin)

Calculated MW:

48 kDa

Observed MW:

40-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:100-1:400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, HepG2 cells, human heart tissue, human liver tissue, K-562 cells, mouse kidney tissue, mouse liver tissue, rat heart tissue, rat liver tissue

IHC : human heart tissue,

Background Information

FECH(ferrochelatase, mitochondrial) is also named as heme synthase, protoheme ferro-lyase and belongs to the ferrochelatase family. It is a homodimeric (86 kDa) mitochondrial membrane-associated enzyme that catalyzes the insertion of ferrous iron into protoporphyrin to form heme(PMID:11175906). It has 2 isoforms produced by alternative splicing and the full length protein has a transit peptide with 54 amino acids.

Notable Publications

Author	Pubmed ID	Journal	Application
Naiara Santana-Codina	35771492	Cancer Discov	WB
Ying Wang	34707288	Nature	WB
Mario Mischkulnig	35665365	Front Med (Lausanne)	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

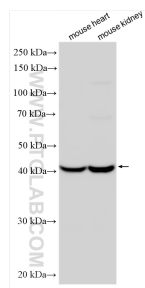
T: 4006900926

E: Proteintech-CN@ptglab.com

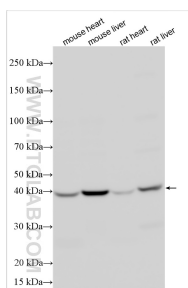
W: ptgcn.com

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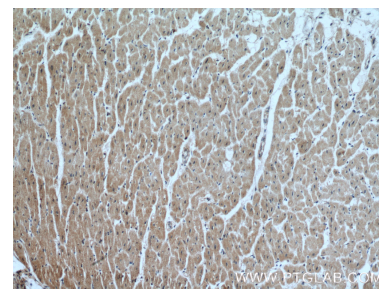
Selected Validation Data



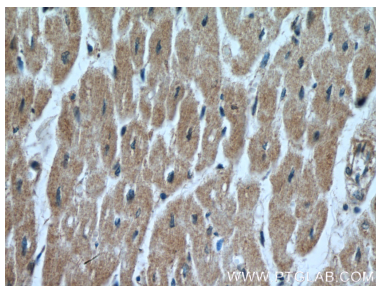
mouse heart tissue were subjected to SDS PAGE followed by western blot with 14466-1-AP (FECH antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 14466-1-AP (FECH antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14466-1-AP (FECH Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14466-1-AP (FECH Antibody) at dilution of 1:200 (under 40x lens).