

For Research Use Only

FH Polyclonal antibody

Catalog Number: 11375-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

11375-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1934

GenBank Accession Number:

BC003108

GeneID (NCBI):

2271

UNIPROT ID:

P07954

Full Name:

fumarate hydratase

Calculated MW:

510 aa, 55 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:250-1:1000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, caenorhabditis elegans

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: HEK-293 cells, HepG2 cells, human placenta tissue, HeLa cells, Jurkat cells, NIH/3T3 cells, C6 cells, mouse liver tissue, rat liver tissue, L02 cells

IP: mouse liver tissue,

IHC: human placenta tissue, human normal colon, human ovary tumor tissue

IF/ICC: HeLa cells,

Background Information

Fumarate hydratase, or fumarase, is an enzymatic component of the tricarboxylic acid cycle, catalyzing the conversion of fumarate to malate. It belongs to the class-II fumarase/aspartase family. This protein has 2 isoforms produced by alternative initiation.

Notable Publications

Author	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
Yongyan Sun	30307357	Int J Radiat Biol	WB
Xiaoyu Ma	25301052	Nat Commun	WB

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

*** 20ul sizes contain 0.1% BSA

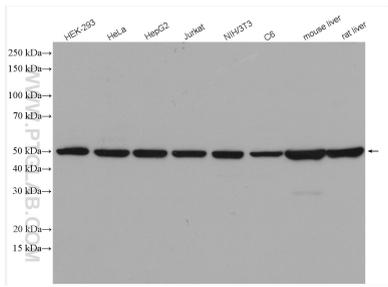
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

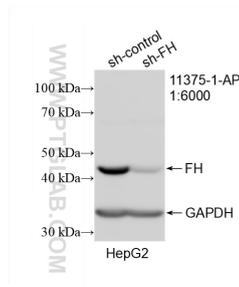
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

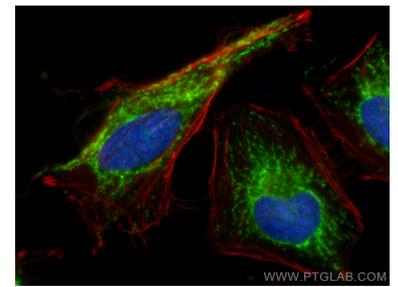
Selected Validation Data



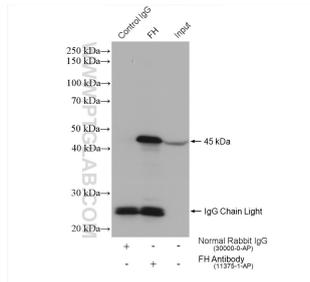
Various lysates were subjected to SDS PAGE followed by western blot with 11375-1-AP (FH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



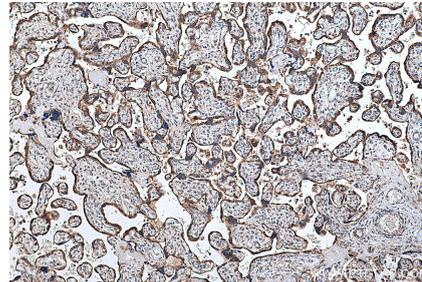
WB result of FH antibody (11375-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FH transfected HepG2 cells.



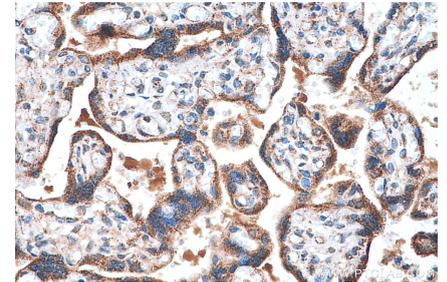
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FH antibody (11375-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



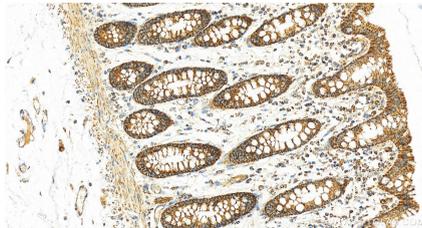
IP result of anti-FH (IP:11375-1-AP, 4ug; Detection:11375-1-AP 1:8000) with mouse liver tissue lysate 3040 ug.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 11375-1-AP (FH antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 11375-1-AP (FH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 11375-1-AP (FH antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).