

For Research Use Only

FH Recombinant antibody

Catalog Number: 82508-1-RR

Featured Product



Basic Information

Catalog Number:

82508-1-RR

Size:

100ul, Concentration: 500 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 kDa

Purification Method:

Protein A purification

CloneNo.:

3K16

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

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 : HepG2 cells, HEK-293 cells, A431 cells, L02 cells, mouse liver tissue, rat liver tissue

IP : mouse liver tissue,

IHC : human stomach tissue, human stomach cancer tissue

Background Information

FH(fumarate hydratase) belongs to the class-II fumarase/aspartase family. It is an enzymatic component of the tricarboxylic acid cycle, catalyzing the conversion of fumarate to malate. FH also acts as a tumor suppressor function of FH in sporadic kidney cancer(PMID:21695080). Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy.

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

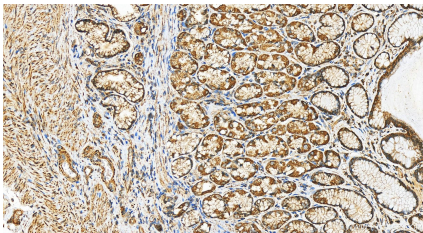
For technical support and original validation data for this product please contact:

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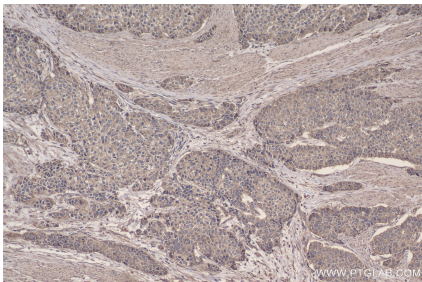
E: proteintech@ptglab.com
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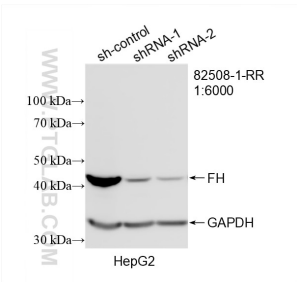
Selected Validation Data



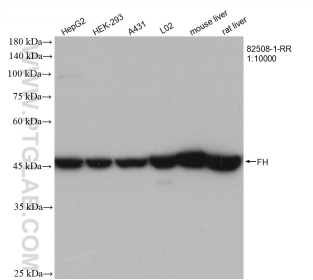
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 82508-1-RR (FH antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



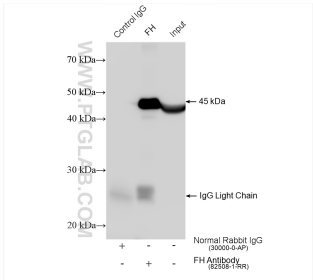
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 82508-1-RR (FH antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



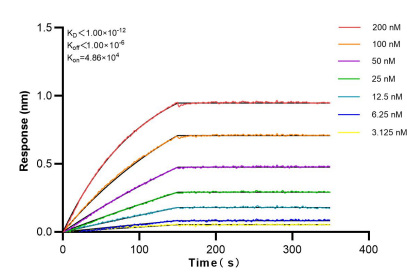
WB result of FH antibody (82508-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FH transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 82508-1-RR (FH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-FH (IP:82508-1-RR, 4ug; Detection:82508-1-RR 1:4000) with mouse liver tissue lysate 1840 ug.



Biolayer interferometry (BLI) kinetic assays of 82508-1-RR against Human FH were performed. The affinity constant is below 1 pM.