

For Research Use Only

FH Recombinant antibody, PBS Only

Catalog Number: 82508-1-PBS

Featured Product



Basic Information

Catalog Number:

82508-1-PBS

Concentration:

1 mg/ml

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

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

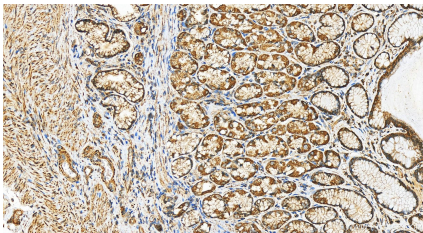
T: 4006900926

E: Proteintech-CN@ptglab.com

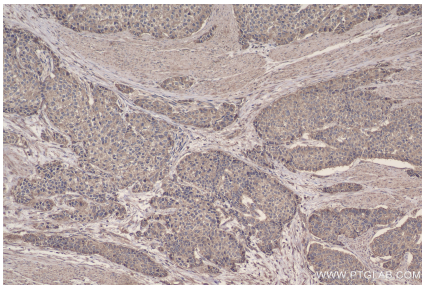
W: ptgcn.com

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

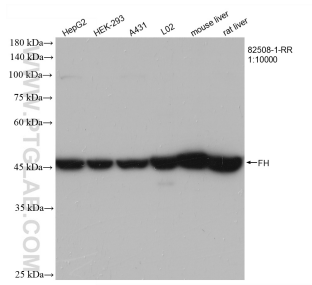
Selected Validation Data



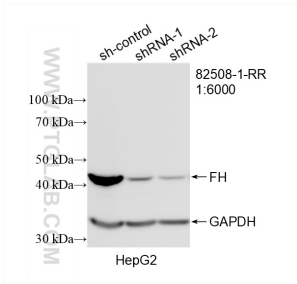
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 82508-1-RR (FH antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



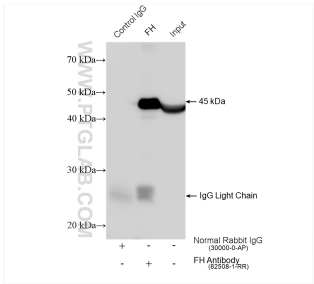
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 82508-1-RR (FH antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



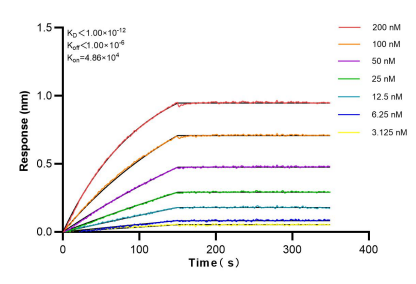
Various lysates were subjected to SDS PAGE followed by western blot with 82508-1-RR (FH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



IP result of anti-FH (IP:82508-1-RR, 4ug; Detection:82508-1-RR 1:4000) with mouse liver tissue lysate 1840 ug. This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



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