

For Research Use Only

FH Recombinant antibody, PBS Only

Catalog Number: 82508-1-PBS

Featured Product



Basic Information

Catalog Number:

82508-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, 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.

Storage Buffer:

PBS Only

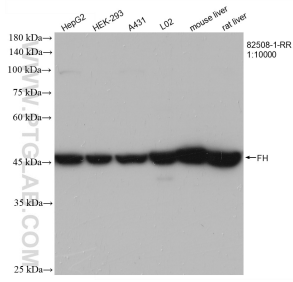
For technical support and original validation data for this product please contact:

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

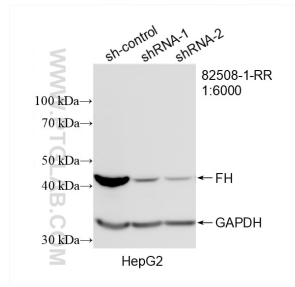
E: proteintech@ptglab.com
W: ptglab.com

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

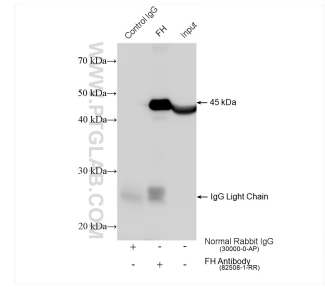
Selected Validation Data



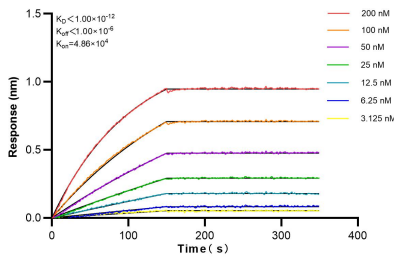
Various lysates were subjected to SDS PAGE followed by western blot with 82508-1-RR (FH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82508-1-PBS in a different storage buffer formulation.



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.