

For Research Use Only

AIFM2/ FSP1 Recombinant antibody

Catalog Number: 82974-1-RR



Basic Information

Catalog Number:

82974-1-RR

Size:

100ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13412

GenBank Accession Number:

BC023601

GeneID (NCBI):

84883

UNIPROT ID:

Q9BRQ8

Full Name:

apoptosis-inducing factor, mitochondrion-associated, 2

Calculated MW:

41 kDa

Observed MW:

41 kDa

Purification Method:

Protein A purification

CloneNo.:

2J1

Recommended Dilutions:

WB 1:2000-1:16000

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

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : HepG2 cells,

Background Information

The human AIFM2 protein (also known as FSP1 or AMID) is an apoptosis associated flavoprotein with a 6-hydroxy FAD cofactor. AIFM2 is a NAD(P)H-binding oxidoreductase with some sequence similarities to A1FM1 (formerly known as AIF, Apoptosis Inducing Factor), a mitochondrion-associated enzyme which relocates to the cell nucleus during apoptosis and is considered to be a key player in the progression of cell death.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

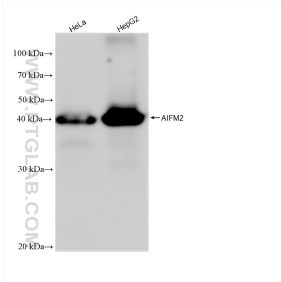
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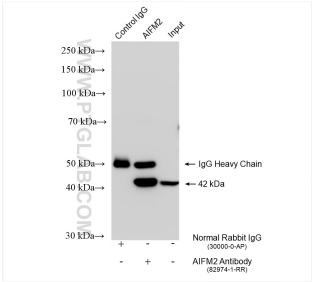
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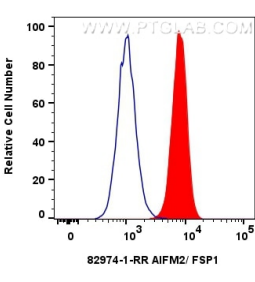
Selected Validation Data



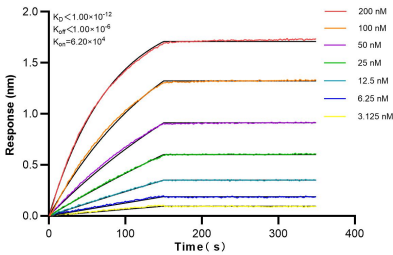
Various lysates were subjected to SDS PAGE followed by western blot with 82974-1-RR (AIFM2/ FSP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-AIFM2/ FSP1 (IP:82974-1-RR, 4ug; Detection:82974-1-RR 1:3000) with HepG2 cells lysate 1085 ug.



1x10⁶ A549 cells were intracellularly stained with 0.25 ug AIFM2/ FSP1 Recombinant antibody (82974-1-RR, Clone:2J1) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82974-1-RR against Human AIFM2/ FSP1 were performed. The affinity constant is below 1 pM.