

For Research Use Only

AIFM2/ FSP1 Recombinant antibody, PBS Only

Catalog Number: 82974-1-PBS



Basic Information

Catalog Number: 82974-1-PBS	GenBank Accession Number: BC023601	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 84883	CloneNo.: 2J1
Source: Rabbit	UNIPROT ID: Q9BRQ8	
Isotype: IgG	Full Name: apoptosis-inducing factor, mitochondrion-associated, 2	
Immunogen Catalog Number: AG13412	Calculated MW: 41 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications:
WB, FC (Intra), IP, Indirect ELISA

Species Specificity:
human

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 -80°C.
Storage Buffer:
PBS Only

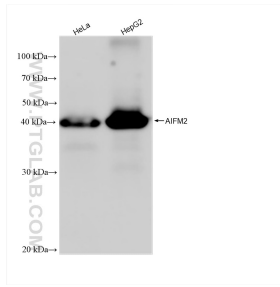
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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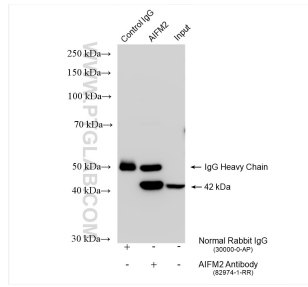
E: proteintech@ptglab.com
W: ptglab.com

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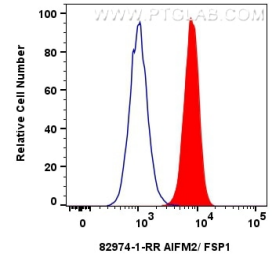
Selected Validation Data



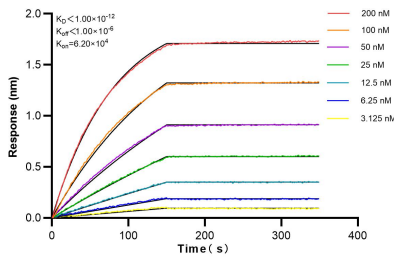
Various lysates were subjected to SDS PAGE followed by western blot with 82974-1-RR (AIFM2/ FSP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82974-1-PBS in a different storage buffer formulation.



IP result of anti-AIFM2/ FSP1 (IP:82974-1-RR, 4ug; Detection:82974-1-RR 1:3000) with HepG2 cells lysate 1085 ug. This data was developed using the same antibody clone with 82974-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone



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