

For Research Use Only

FDPS Polyclonal antibody

Catalog Number: 16129-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:
16129-1-AP

Size:
150ul, Concentration: 400 µg/ml by Nanodrop and 227 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9115

GenBank Accession Number:
BC010004

GeneID (NCBI):
2224

Full Name:
farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase)

Calculated MW:
419 aa, 48 kDa

Observed MW:
39-41 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:5000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

Applications

Tested Applications:
IP, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB: HepG2 cells, A431 cells, human cerebellum tissue, rat liver tissue

IP: mouse liver tissue,

Background Information

FPPS (also known as FDPS) is a key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. The expression of FPPS was elevated in prostate tumor cell lines, indicating its potential role in prostate cancer progression.

Notable Publications

Author	Pubmed ID	Journal	Application
Caitlyn Makins	27834682	J Biol Chem	WB
Jian Yang	23180723	Cardiovasc Res	WB, IHC
Dongpu Dai	29864496	Gene	WB

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

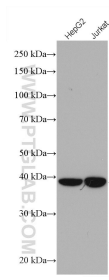
For technical support and original validation data for this product please contact:

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

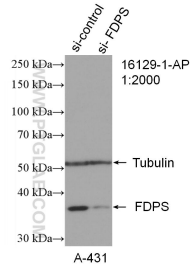
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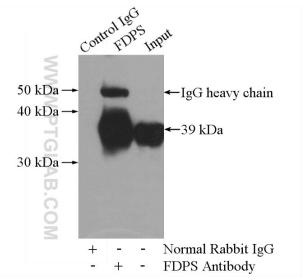
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 16129-1-AP (FDPS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of FDPS antibody (16129-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FDPS transfected A431 cells.



IP Result of anti-FDPS (IP:16129-1-AP, 4 μ g; Detection:16129-1-AP 1:1000) with mouse liver tissue lysate 4000 μ g.