

# FDPS Monoclonal antibody

Catalog Number: 67972-1-Ig

## Basic Information

Catalog Number:

67972-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG9247

GenBank Accession Number:

BC010004

GeneID (NCBI):

2224

UNIPROT ID:

P14324

Full Name:

farnesyl diphosphate synthase  
(farnesyl pyrophosphate synthetase,  
dimethylallyltransferase,  
geranyltransferase)

Calculated MW:

419 aa, 48 kDa

Observed MW:

38-39 kDa

Purification Method:

Protein A purification

CloneNo.:

3B8A7

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: A431 cells, HepG2 cells, HeLa cells, HEK-293 cells,  
Jurkat cells, K-562 cells

## 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.

## Storage

Storage:

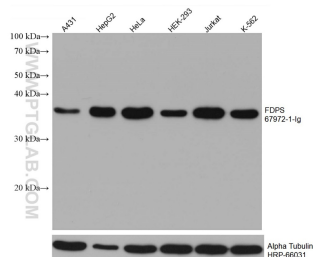
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67972-1-Ig (FDPS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.