

For Research Use Only

# FDPS Monoclonal antibody, PBS Only

Catalog Number: 67972-1-PBS



## Basic Information

Catalog Number:

67972-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

## 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 -80°C.

Storage Buffer:

PBS Only

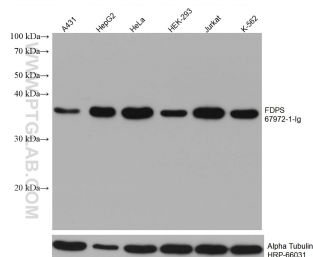
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## Selected Validation Data



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. This data was developed using the same antibody clone with 67972-1-PBS in a different storage buffer formulation.