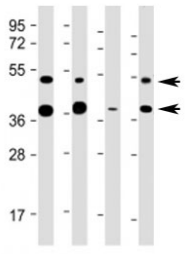
FDPS Antibody (Center Region) [clone 1049CT13.1.4] (F54092)

Catalog No.	Formulation	Size
F54092-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54092-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	1049CT13.1.4
Purity	Protein G purified
UniProt	P14324
Applications	WB: 1:2000
Limitations	This FDPS antibody is available for research use only.



Western blot testing of FDPS antibody at 1:2000: Lane 1) human HeLa, 2) (h) HepG2, 3) (h) U-251 MG and 4) mouse liver lysate. Predicted molecular weight ~48 kDa (isoform 1) and ~40 kDa (isoform 2).

Description

Farnesyl diphosphate synthase 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. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate. [UniProt]

For a broader overview of FDPS biology, isoprenoid biosynthesis, and mevalonate pathway regulation, see our FDPS Antibody / Isoprenoid Biosynthesis Enzyme Antibody page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the FDPS antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human FDPS was used as the immunogen for the FDPS antibody.

Storage

Aliquot the FDPS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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