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FDPS Antibody

Rabbit mAb
Catalog # AP92862

Product Information

Application	WB, IHC, FC
Primary Accession	P14324
Reactivity	Human
Clonality	Monoclonal
Other Names	Farnesyl diphosphate synthase; Fdps; FPP synthase; FPP synthetase; FPPS; FPS; Geranyltranstransferase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48275

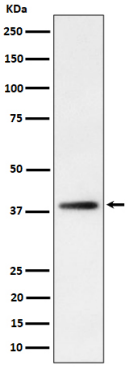
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FDPS
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	FDPS (HGNC:3631)
Synonyms	FPS, KIAA1293
Function	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.
Cellular Location	Cytoplasm.

Images



Western blot analysis of FDPS expression in HepG2 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.