

Anti-FDPS Rabbit Monoclonal Antibody

Catalog # ABO16322

Product Information

Application	WB, IHC, FC
Primary Accession	P14324
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-FDPS Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

Gene ID	2224
Other Names	Farnesyl pyrophosphate synthase, FPP synthase, FPS, 2.5.1.10, (2E, 6E)-farnesyl diphosphate synthase, Dimethylallyltranstransferase, 2.5.1.1, Farnesyl diphosphate synthase, Geranyltranstransferase, FDPS (HGNC:3631), FPS, KIAA1293
Calculated MW	48275
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 28F58
Immunogen	A synthesized peptide derived from human FDPS
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	FDPS (HGNC:3631)
Synonyms	FPS, KIAA1293

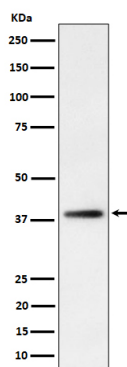
Function

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'.