10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KD-Validated Anti-Farnesyl diphosphate synthase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1583

Product Information

Application	WB, FC, ICC
Primary Accession	P14324
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB1395
Calculated MW	48275
Gene Name	FDPS
Aliases	FDPS; Farnesyl Diphosphate Synthase; Farnesyl Pyrophosphate Synthetase, Dimethylallyltranstransferase, Geranyltranstransferase; (2E,6E)-Farnesyl Diphosphate Synthase; Farnesyl Pyrophosphate Synthase; FPP Synthase; FPS; Dimethylallyltranstransferase; Geranyltranstransferase; FPP Synthetase; EC 2.5.1.10; EC 2.5.1.1; KIAA1293; POROK9; FPPS
Immunogen	A synthesized peptide derived from human FDPS

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

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.

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