

FDPS Antibody (Center)

Catalog_no :	AB2079
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:389-419
Specificity :	This FDPS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-419 amino acids from the center region of human FDPS.
Dilution :	IHC-P,1:10~50;WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Other_name :	Farnesyl pyrophosphate synthase, FPP synthase, FPS, (2E,6E)-farnesyl diphosphate synthase, Dimethylallyltranstransferase, Farnesyl diphosphate synthase, Geranyltranstransferase, FDPS, FPS, KIAA1293
Isotype :	Rabbit Ig
Background :	The isoprene biosynthetic pathway supply the cell with cholesterol, ubiquinone, and various nonsterol metabolites. The farnesylpyrophosphate synthetase enzyme catalyzes the formation of geranyl and farnesylpyrophosphate from isopentenylpyrophosphate and dimethylallyl pyrophosphate. Analysis of FDPS activity and protein in rat liver, accompanied by immunofluorescence and immunoelectron microscopy studies, demonstrated that FDPS is predominantly localized in peroxisomes. ¹ Liver tissue from patients with the peroxisomal deficiency diseases Zellweger syndrome and neonatal adrenoleukodystrophy exhibit diminished activities of FDPS and subsequent isoprenoid synthesis.
reference :	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Nomura, N., et al., DNA Res. 1(1):27-35 (1994). Wilkin, D.J., et al., J. Biol. Chem. 265(8):4607-4614 (1990). Sheares, B.T., et al., Biochemistry 28(20):8129-8135 (198