

Rabbit anti-Human FDPS Polyclonal Antibody | anti-FDPS antibody

Anti-FDPS Antibody, Rabbit Polyclonal

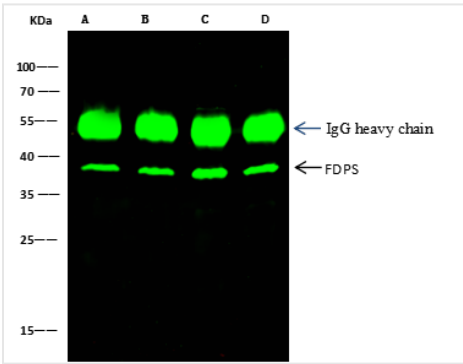
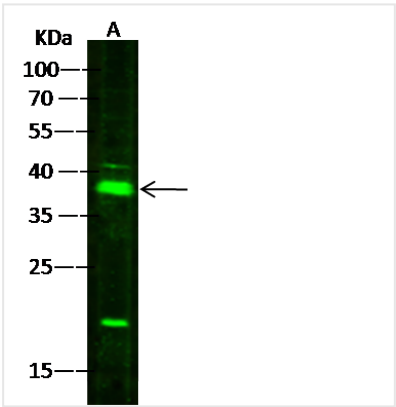
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255661	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

FDPS; Polyclonal Antibody; Anti-FDPS Antibody; Rabbit Polyclonal; FDPS/Farnesyl Diphosphate Synthase Antibody; Rabbit PAb; Antigen Affinity Purified; farnesyl diphosphate synthase; Anti-FPPS Antibody; Anti-FPS Antibody; anti-FDPS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human FDPS/Farnesyl Diphosphate Synthase
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FDPS antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human FDPS/Farnesyl Diphosphate Synthase protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human FDPS/Farnesyl Diphosphate Synthase (rh FDPS/Farnesyl Diphosphate Synthase). FDPS/Farnesyl Diphosphate Synthase specific IgG was purified by Human FDPS/Farnesyl Diphosphate Synthase affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
FDPS was immunoprecipitated using: Lane A: 0.5 mg A549 Whole Cell Lysate; Lane B: 0.5 mg HepG2 Whole Cell Lysate; Lane C: 0.5 mg 293T Whole Cell Lysate; Lane D: 0.5 mg THP-1 Whole Cell Lysate. 2 μ L anti-FDPS rabbit polyclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-FDPS rabbit polyclonal antibody, at 1:330 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 48 kDa. Observed band size: 38 kDa.

WB (Western Blot)
Anti-FDPS rabbit polyclonal antibody at 1:500 dilution. Lane A: 293T Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight800) at 1:10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 48 kDa. Observed band size: 38 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-FDPS antibody	Z-farnesyl diphosphate synthase (FDPS) is an enzyme belonging to the family of transferases, specifically those transferring aryl or alkyl groups other than methyl groups. Z-farnesyl diphosphate synthase (FDPS) functions as key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate, a precursor for several classes of essential metabolites. FDPS catalyzes the production of geranyl pyrophosphate and farnesyl pyrophosphate from isopentenyl pyrophosphate and dimethylallyl pyrophosphate. The resulting product, farnesyl pyrophosphate, is a key intermediate in cholesterol and sterol biosynthesis, a substrate for protein farnesylation and geranylgeranylation, and a ligand or agonist for certain hormone receptors and growth receptors. Drugs that inhibit this enzyme prevent the post-translational modifications of small GTPases and have been used to treat diseases related to bone resorption. Functions of FDPS may be inactivated by interferon-induced RSAD2. This inactivation may result of disruption of lipid rafts at the plasma membrane, and thus have an antiviral effect since many enveloped viruses need lipid rafts to bud efficiently out of the cell.
References	Pjetursson BE, et al. (2007) Comparison of survival and complication rates of tooth-supported fixed dental prostheses (FDPs) and implant-supported FDPs and single crowns (SCs). Clin Oral Implants Res. 3:97-113. Eschbach S, et al. (2009) Clinical evaluation of all-ceramic posterior three-unit FDPs made of In-Ceram Zirconia. Int J Prosthodont. 22(5):490-2. Moshage HJ, et al. (1990) Differential effects of endotoxin and fibrinogen degradation products (FDPS) on liver synthesis of fibrinogen and albumin: evidence for the involvement of a novel monokine in the stimulation of fibrinogen synthesis induced by FDPS. Int J Biochem. 22(12): 1393-400.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209571584
NCBI GeneID	2224
NCBI Accession #	NP_001129294.1
NCBI GenBank Nucleotide #	NM_001135822.1
UniProt Accession #	P14324; Q96G29; D3DV91; E9PC19
Molecular Weight	40,532 Da
NCBI Official Full Name	farnesyl pyrophosphate synthase isoform b
NCBI Official Synonym Full Names	farnesyl diphosphate synthase
NCBI Official Symbol	FDPS
NCBI Official Synonym Symbols	FPS; FPPS; POROK9

NCBI Protein Information	farnesyl pyrophosphate synthase
UniProt Protein Name	Farnesyl pyrophosphate synthase
UniProt Gene Name	FDPS
UniProt Synonym Gene Names	FPS; KIAA1293; FPP synthase; FPS
UniProt Entry Name	FPPS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fdps-antibody-immunoprecipitation-western-blot-elisa/255661>