

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

Rabbit anti-FDPS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213073	Rabbit	Human	Immunoprecipitation, Western Blot

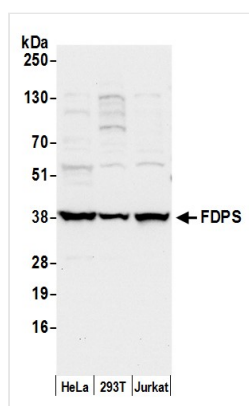
PRODUCT SYNONYMS

FDPS; Polyclonal Antibody; Rabbit anti-FDPS Antibody; Affinity Purified; FPP synthetase; POROK9; Geranyltranstransferase; FPS; FPPS; farnesyl pyrophosphate synthetase; dimethylallyltranstransferase; geranyltranstransferase; farnesyl pyrophosphate synthase; Farnesyl diphosphate synthase; Dimethylallyltranstransferase; (2E; 6E)-farnesyl diphosphate synthase; FPP synthase; Farnesyl pyrophosphate synthase; farnesyl diphosphate synthase; anti-FDPS antibody

PRODUCT SPECIFICATIONS

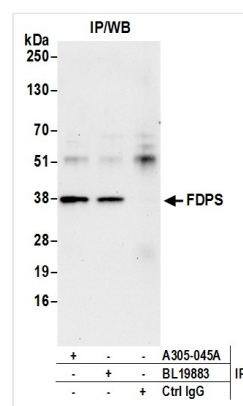
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-FDPS antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 50 and 100
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human FDPS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FDPS antibody AAA213073 (lot AAA213073-1) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human FDPS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FDPS antibody AAA213073 (lot AAA213073-1) used for IP at 6 ug per reaction. FDPS was also immunoprecipitated by rabbit anti-FDPS antibody BL19883. For blotting immunoprecipitated FDPS, AAA213073 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-FDPS antibody	Farnesyl diphosphate synthase (FDPS) is a 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 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P14324].
Product Categories/Family for anti-FDPS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503685
NCBI GeneID	2224
NCBI Accession #	NP_001995.1
NCBI GenBank Nucleotide #	NM_002004.3
UniProt Accession #	P14324 ; Q96G29 ; D3DV91 ; E9PCI9
Molecular Weight	40,532 Da
NCBI Official Full Name	farnesyl pyrophosphate synthase isoform a
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.