

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

FDPS Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287441	Rabbit	Human	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

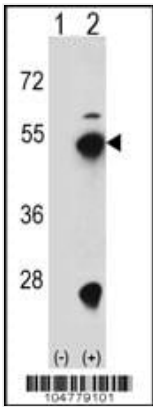
PRODUCT SYNONYMS

FDPS; Polyclonal Antibody; FDPS Antibody (N-term); Farnesyl pyrophosphate synthase; FPP synthase; FPS; (2E; 6E)-farnesyl diphosphate synthase; Dimethylallyltranstransferase; Farnesyl diphosphate synthase; Geranyltranstransferase; KIAA1293; anti-FDPS antibody

PRODUCT SPECIFICATIONS

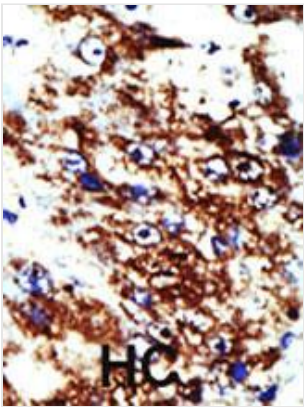
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FDPS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-112 amino acids from the N-terminal region of human FDPS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	82-112
Sequence Length	353
Applicable Applications for anti-FDPS antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



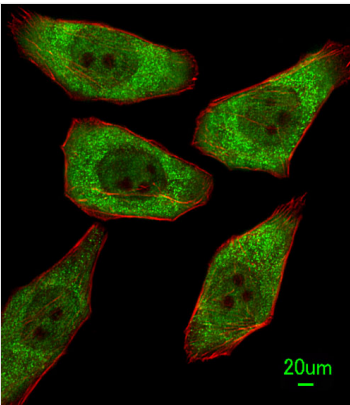
WB (Western Blot)

Western blot analysis of FDPS (arrow) using rabbit polyclonal FDPS Antibody (D31). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FDPS gene.



IHC (Immunohiostchemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



IF (Immunofluorescence)

Immunofluorescent analysis of A549 cells, using FDPS Antibody (N-term). AAA287441 was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 (red) conjugated Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-FDPS antibody	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.
Product Categories/Family for anti-FDPS antibody	Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	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 (1989).

NCBI AND UNIPROT INFORMATION

NCBI GI #	209571582
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NCBI GeneID	2224
NCBI Accession #	NP_001129293.1; NP_001129294.1; NP_001229753.1; NP_001229754.1; NP_001995.1
NCBI GenBank Nucleotide #	NM_001135821.1
UniProt Accession #	P14324; Q96G29; D3DV91; E9PCI9
Molecular Weight	48275
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
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://stage.aaabiotech.com/polyclonal/fdps-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/287441>