

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

FDPS Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283966	Rabbit	Human	ELISA, Western Blot

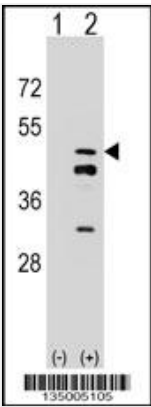
PRODUCT SYNONYMS

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

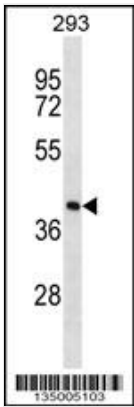
PRODUCT SPECIFICATIONS

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 54-82 amino acids from the N-terminal region of human FDPS.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	54-82
Sequence Length	419
Applicable Applications for anti-FDPS antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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 (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FDPS gene.



WB (Western Blot)
FDPS Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the FDPS antibody detected the FDPS protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-FDPS antibody	This gene encodes an enzyme that 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. Multiple pseudogenes have been found on chromosomes 1, 7, 14, 15, 21 and X. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-FDPS antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Ishimoto, K., et al. Biochem. J. 429(2):347-357(2010) Choi, H.J., et al. Yonsei Med. J. 51(2):231-238(2010) Li, J., et al. J. Immunol. 182(12):8118-8124(2009) Romanelli, M.G., et al. Genomics 93(3):227-234(2009) Marini, F., et al. Curr Med Res Opin 24(9):2609-2615(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209571582
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-western-blot-elisa/283966>