

Datasheet for ABIN952387
anti-FDPS antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	FDPS
Binding Specificity:	AA 53-82, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human FDPS
Isotype:	Ig Fraction
Specificity:	This antibody reacts to FDPS.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	FDPS
Alternative Name:	FPP Synthetase (FDPS Products)
Background:	This gene encodes an enzyme that catalyzes the production of geranyl pyrophosphate and

Target Details

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. Synonyms: FDPS, FPS, Farnesyl diphosphate synthase, Farnesyl pyrophosphate synthetase, KIAA1293

Molecular Weight: 48275 Da

Gene ID: 2224

NCBI Accession: [NP_001129293](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) sodium azide

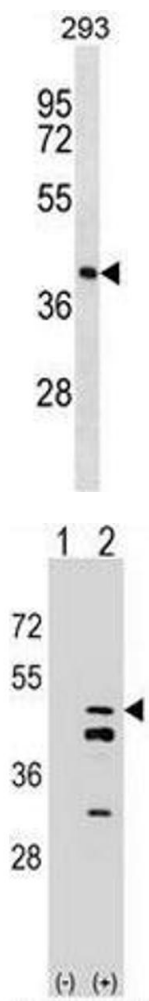
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

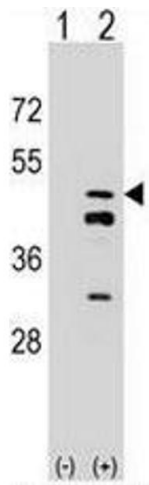
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. FDPS Antibody (N-term) western blot analysis in 293 cell line lysates (35µg/lane). This demonstrates the FDPS antibody detected the FDPS protein (arrow).



Western Blotting

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