

**ARG41025**  
anti-FDPS antibodyPackage: 100 µl  
Store at: -20°C

## Summary

Product Description	Rabbit Polyclonal antibody recognizes FDPS
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FDPS
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 120-419 of Human FDPS (NP_001129293.1).
Conjugation	Un-conjugated
Alternate Names	FPP synthase; Geranyltranstransferase; Farnesyl pyrophosphate synthase; Farnesyl diphosphate synthase; EC 2.5.1.10; FPPS; FPS; EC 2.5.1.1; 2E,6E; Dimethylallyltranstransferase

## Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	38 kDa	

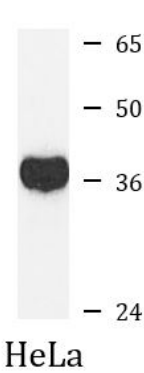
## Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FDPS
Gene Full Name	farnesyl diphosphate synthase
Background	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.[provided by RefSeq, Oct 2008]
Function	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. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG41025 anti-FDPS antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG41025 anti-FDPS antibody at 1:1000 dilution.