

## Product datasheet for **TA357736**

### FDPS Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat <b>Homology:</b> Cow: 93%; Dog: 100%; Guinea Pig: 79%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 100%; Rat: 93%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	38kDa
Gene Name:	farnesyl diphosphate synthase
Database Link:	<a href="#">NP_001129294</a> <a href="#">Entrez Gene 2224 Human</a> <a href="#">P14324</a>



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**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.

**Synonyms:**

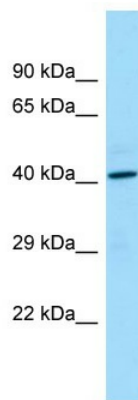
dimethylallyltransferase; FPPS; FPS; geranyltransferase; KIAA1293

**Protein Families:**

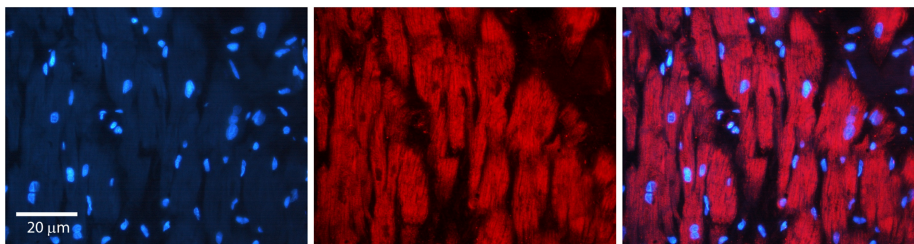
Druggable Genome

**Protein Pathways:**

Metabolic pathways, Terpenoid backbone biosynthesis

**Product images:**


Host: Rabbit  
 Target Name: FDPS  
 Antibody Dilution: 1.0ug/ml  
 Sample Type: COLO205 cell lysate  
 FDPS is supported by BioGPS gene expression data to be expressed in COLO205



Rabbit Anti-FDPS Antibody  
 Catalog Number: TA357736  
 Formalin Fixed Paraffin Embedded Tissue:  
 Human heart Tissue  
 Observed Staining: Cytoplasmic  
 Primary Antibody Concentration: 1:100  
 Other Working Concentrations: 1:600  
 Secondary Antibody: Donkey anti-Rabbit-Cy3  
 Secondary Antibody Concentration: 1:200  
 Magnification: 20X  
 Exposure Time: 0.5–2.0 sec