

DNAxPAb

Hard-to-Find
Antibody

FDPS DNAxPAb

Catalog # H00002224-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human FDPS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPLSRWLRSVGVFLLPAPYWAPRERWLGSLRRPSLVHGYPVLAWHSARCWCQAWTEEPRALC SSLRMNGDQNSDVYAQEKQDFVQHFSSQMRVLTEDEMGHPEIGDAIARLKEVLEYNAIGGKYNRG LTVVVAFRELVPRKQDADSLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRGQICWYQKPGV GLDAINDANLLEACIYRLLKLYCREQPYLNLIELFLQSSYQTEIGQTLDLLTAPQGNVDLVRFTEKRY KSIVKYKTAFYSFYLPAAAMYMAGIDGEKEHANAKKILLEMGEFFQIQQDDYLDLFGDPSVTGKIGTDI QDNKCSWLVVQCLQRATPEQYQILKENYGGQKEAEKVARVKALYEELDLPVFLQYEEDSYSHIMA LIEQYAAPLPPAVFLGLARKIYKRRK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — FDPS

Entrez GeneID	2224
GeneBank Accession#	NM_002004.2
Protein Accession#	NP_001995.1
Gene Name	FDPS
Gene Alias	FPPS, FPS
Gene Description	farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)
Omim ID	134629
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	FPP synthetase OTTHUMP00000015807 OTTHUMP00000015808 farnesyl diphosphate synthase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Terpenoid backbone biosynthesis](#)

Disease

- [Alzheimer disease](#)