

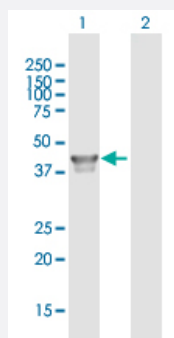
MaxPab®

FDPS purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002224-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of FDPS expression in transfected 293T cell line ([H00002224-T01](#)) by FDPS MaxPab polyclonal antibody.

Lane 1: FDPS transfected lysate(46.09 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human FDPS protein.

Immunogen

FDPS (NP_001995.1, 1 a.a. ~ 419 a.a) full-length human protein.

Sequence

MPLSRWLRSVGVFLLPAPYWAPRERWLGSLRRPSLVHGYPVLAWHSARCWCQAWTEEPRALC
SSLRMNGDQNSDVYAQEQDFVQHFSQVRVLTEDEMGHPEIGDAIARLKEVLEYNAIGGKYNRG
LTVVVAFRELVPRKQDADSLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRGQICWYQKPGV
GLDAINDANLLEACIYRLCLKLYCREQPYLNLIELFLQSSYQTEIGQTLDLLTAPQGNVDLVRFTKRY
KSIVKYKTAFYSFYLPAAAMYMAGIDGEKEHANAKKILLEMGFEFFQIQDDYDLFGDPSVTGKIGTDI
QDNKCSWLVVQCLQRATPEQYQILKENYGGKEAEKVARVKALYEELDLPVFLQYEEDSYSHIMA
LIEQYAAPLPPAVFLGLARKIKRRK

Host

Mouse

Reactivity

Human

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.

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[Protocol Download](#)

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](#)