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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FDPS purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00002224-B01P

規格 : [50 ug]

[List All](#)

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:
 MPLSRWLRVSGVFLLPAPYWAPRERWLGSLRRPVLVHGYPLAWHSA
 RCWCQAWTEEPRALCSSLRMNGDQNSDVYAQEKQDFVQHFQIVRVL
 TEDEMGHPEIGDAIARLKEVLEYNAIGGKYNRGLTVVAFRELVEPRKQD
 ADSLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRGQICWYQKPGVGL
 DAIN DANLLEACIYRLLKLYCREQPYYLNLIELFLQSSYQTEIGQTLDLLTA
 PQGNVDLVRFTKRYKSIVKYKTAFYSFYLPAAAMYMAGIDGEKEHANA
 KKILLEMGEFFQIQDDYLDLFGDPSVTGKIGTDIQDNKCSWLWVQCLQRA
 TPEQYQILKENYQKAEKVARVKALYEELDLPVAVFLQYEEDSYSHIMALI
 EQYAAPLPPAVFLGLARKIYKRRK

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

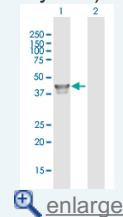
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Application Image

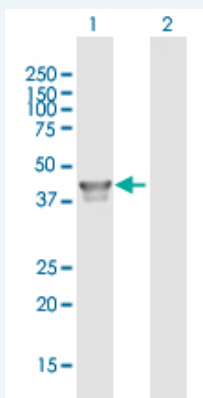
Western Blot (Transfected lysate)



[enlarge](#)

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.

Gene Information

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

Gene Pathway

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

Related Disease

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