



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## FDPS purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00002224-D01P

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Rabbit 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:**  
 MPLSRWLRSVGVFLLPAPYWAPRERWLGSLRRPVLVHGYPLAWHSA  
 RCWCQAWTEEPRALCSSLRMNGDQNSDVYAQEKQDFVQHFQIVRVL  
 TEDEMGHPEIGDAIARLKEVLEYNAIGGKYNRGLTVVAFRELVEPRKQD  
 ADSLQRAWTVGWCVELLQAFFLVADDIMDSSLTRRGQICWYQKPGVGL  
 DAINANDLLEACIYRLLKLYCREQPYLNLIELFLQSSYQTEIGQLDLLTA  
 PQGNVDLVRFTKRYKSIVKYKTAFYSFYLPAAAMYMAGIDGEKEHANA  
 KKILLEMGEFFQIQDDYLDLFGDPSVTGKIGTDIQDNKCSWLWVQCLQRA  
 TPEQYQILKENYQKAEKVARVKALYEELDLPVFLQYEEDSYSHIMALI  
 EQYAAPLPPAVFLGLARKIYKRRK

**Host:** Rabbit

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**Storage Buffer:** In 1x PBS, pH 7.4

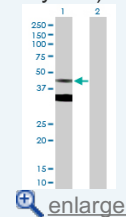
**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Application Image

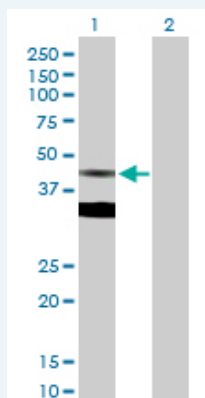
Western Blot (Transfected lysate)



[enlarge](#)

### Applications

Western Blot (Transfected lysate)



Western Blot analysis of FDPS expression in transfected 293T cell line (H00002224-T02) by FDPS MaxPab polyclonal antibody.

Lane 1: FDPS transfected lysate(48.30 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

[Alzheimer Disease](#) [Alzheimer disease](#)