

Product datasheet for **TA307581**

FDPS Rabbit Monoclonal Antibody [Clone ID: **EPR4628**]

Product data:

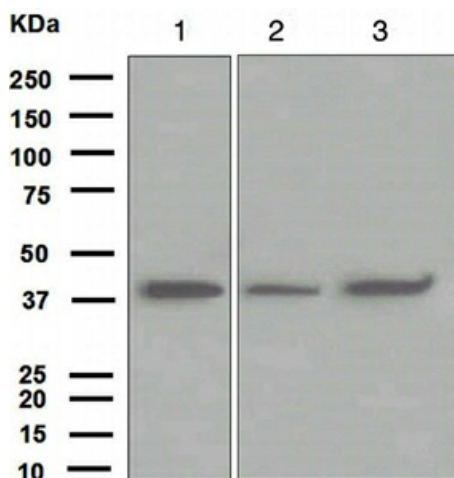
Product Type:	Primary Antibodies
Clone Name:	EPR4628
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000 - 1:10000; IHC-P: 1:100 - 1:250; FC: 1:10 - 1:100
Reactivity:	Human (Does not react with: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues near the C-terminus of human FDPS was used as an immunogen.
Formulation:	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	farnesyl diphosphate synthase
Database Link:	NP_001129293 Entrez Gene 83791 Rat Entrez Gene 110196 Mouse Entrez Gene 2224 Human P14324
Background:	FDPS is 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 (1).
Synonyms:	FPFS; FPS; POROK9
Note:	Is unsuitable for ICC or IP.
Protein Families:	Druggable Genome



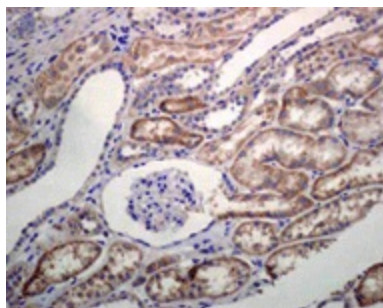
[View online »](#)

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



Western blot - FDPS antibody [EPR4628]; All lanes : Anti-FDPS antibody [EPR4628] at 1/1000 dilution. Lane 1 : THP1 cell lysates. Lane 2 : HepG2 cell lysates. Lane 3 : Human fetal liver lysates. Predicted band size : 48 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - FDPS antibody [EPR4628]; TA307581 at 1/100 dilution staining FDPS in Human kidney by Immunohistochemistry, Paraffin-embedded tissue.