

RK05646

Leader in Biomolecular Solutions for Life Science



## [One Step] FDPS Antibody Kit

Catalog No.: RK05646

### Basic Information

#### Applications

#### Cross-Reactivity

Human, Mouse, Rat

#### Observed MW

39kDa

#### Calculated MW

48kDa

#### Category

Antibody kit

### Background

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.

### Product Information

#### Source

Rabbit

#### Purification

#### Storage

Avoid repeated freeze-thaw cycles.

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Component & Recommended Dilutions

Catalog No.	Product Name	Dilutions
RK05646-1	FPS/FDPS Rabbit pAb	48kDa
RK05646-2	HRP-conjugated Goat anti-Rabbit IgG (H+L)	39kDa

### Immunogen Information

#### Gene ID

2224

#### Swiss Prot

P14324

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 120-419 of human FPS/FDPS (NP\_001995.1).

#### Synonyms

FPS; FPPS; POROK9; FPS/FDPS