

**Anti-FDPS Rabbit Monoclonal Antibody**  
**Catalog # ABO16322****Specification****Anti-FDPS Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, FC
Primary Accession	<a href="#">P14324</a>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-FDPS Rabbit Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human.

**Anti-FDPS Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 2224

**Other Names**

Farnesyl pyrophosphate synthase, FPP synthase, FPS, 2.5.1.10, (2E, 6E)-farnesyl diphosphate synthase, Dimethylallyltranstransferase, 2.5.1.1, Farnesyl diphosphate synthase, Geranyltranstransferase, FDPS ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=3631](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=3631))>HGNC:3631</a>), FPS, KIAA1293

**Calculated MW**

40 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human FDPS

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-FDPS Rabbit Monoclonal Antibody - Protein Information**

**Name** FDPS ([HGNC:3631](#))

**Synonyms** FPS, KIAA1293

### Function

Key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate.

### Cellular Location

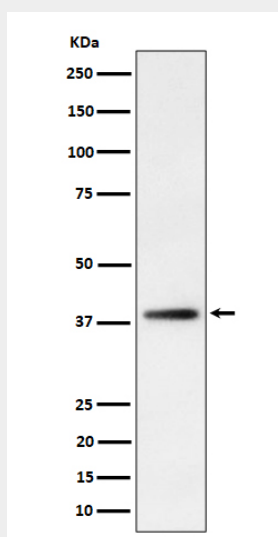
Cytoplasm.

### Anti-FDPS Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-FDPS Rabbit Monoclonal Antibody - Images



Western blot analysis of FDPS expression in HepG2 cell lysate.