

# Recombinant Anti-FDPS Rabbit mAb

Catalog # AP95384

## Product Information

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|-------------------|------------------------|
| Application       | WB, IHC, FC            |
| Primary Accession | <a href="#">P14324</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 48275                  |

## Additional Information

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| Gene ID            | 2224                                                                                                                                                                                             |
| Other Names        | FPS; KIAA1293; Farnesyl pyrophosphate synthase; FPP synthase; FPS; (2E, 6E)-farnesyl diphosphate synthase; Dimethylallyltranstransferase; Farnesyl diphosphate synthase; Geranyltranstransferase |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within human FDPS protein. The exact sequence is proprietary.                                                                           |
| Dilution           | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50                                                                                                                                               |
| Format             | Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.                                                                                                                            |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                        |

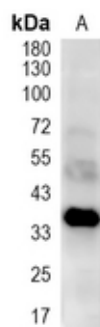
## Protein Information

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| Name              | FDPS ( <a href="#">HGNC:3631</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Images

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Western blot analysis of FDPS expression in HepG2 (A) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 38 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.