

FDPS Rabbit pAb

CatalogNo: YN5873

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 46kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human FDPS

Specificity This antibody detects endogenous levels of FDPS at Human, Mouse, Rat

Target Information

Gene name FDPS FPS KIAA1293

Protein Name Farnesyl pyrophosphate synthase (FPP synthase) (FPS) ((2E,6E)-farnesyl diphosphate synthase) (Dimethylallyltransferase) (Farnesyl diphosphate synthase) (Geranyltransferase)

Organism	Gene ID	UniProt ID
Human	2224;	P14324;
Mouse	110196;	Q920E5;
Rat	83791;	P05369;

Cellular Localization Cytoplasm.

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.

| Validation Data

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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