



GGPPS rabbit pAb

Catalog No	BYab-08640
Isotype	lgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	GGPS1
Protein Name	GGPPS
Immunogen	Synthesized peptide derived from human GGPPS AA range: 141-191
Specificity	This antibody detects endogenous levels of GGPPS at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1: 500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cytoplasm.
Tissue Specificity	Abundantly expressed in testis. Found in other tissues to a lower extent.
Function	catalytic activity:Dimethylallyl diphosphate + isopentenyl diphosphate = diphosphate + geranyl diphosphate.,catalytic activity:Geranyl diphosphate + isopentenyl diphosphate = diphosphate + trans,trans-farnesyl diphosphate.,catalytic activity:Trans,trans-farnesyl diphosphate + isopentenyl diphosphate = diphosphate + geranylgeranyl diphosphate.,function:Catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins.,pathway:Isoprenoid biosynthesis; farnesyl-PP biosynthesis; farnesyl-PP from geranyl-PP and isopentenyl-PP: step 1/1.,pathway:Isoprenoid biosynthesis; geranyl-PP biosynthesis; geranyl-PP from dimethylallyl-PP and isopentenyl-PP: step 1/1.,pathway:Isoprenoid biosynthesis; geranylgeranyl-PP biosynthesis; geranyl-PP from farnesyl-PP and isopentenyl-PP: step 1/1.,simila

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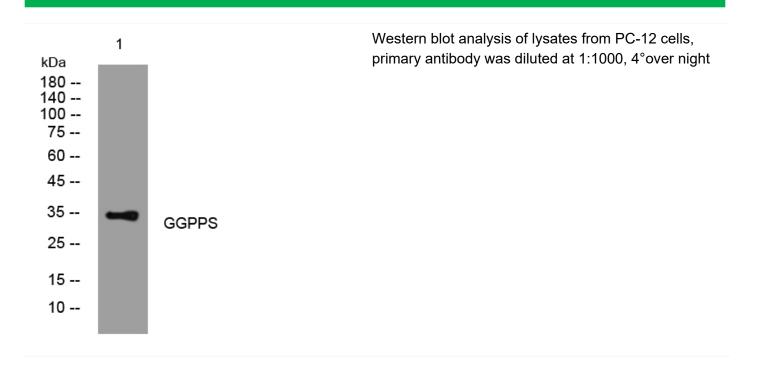


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Background	This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene. [provided by RefSeq, Sep 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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