



# GGPPS mouse mAb

<b>Catalog No</b>	BYmab-08640
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	GGPS1
<b>Protein Name</b>	GGPPS
<b>Immunogen</b>	Synthesized peptide derived from human GGPPS AA range: 141-191
<b>Specificity</b>	This antibody detects endogenous levels of GGPPS at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm.
<b>Tissue Specificity</b>	Abundantly expressed in testis. Found in other tissues to a lower extent.
<b>Function</b>	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; geranylgeranyl-PP from farnesyl-PP and isopentenyl-PP: step 1/1.,simila

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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],

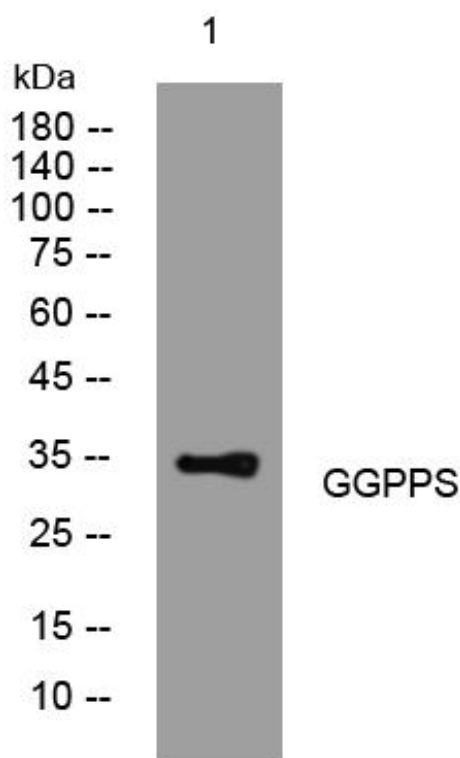
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using GGPPS mouse mAb