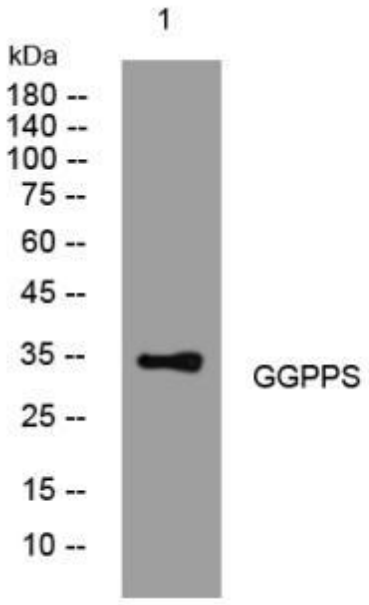
GGPPS mouse mAb

Catalog No	YP-mAb-08640
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GGPS1
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	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse 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	GGPP synthase;GGPPS;GGPPS1;GGPPSase;GGPS1
Observed Band	33kD
Calculated Molecular Weight	33kD
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; geranylgeranyl-PP from farnesyl-PP and isopentenyl-PP: step 1/1.,simila

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 lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4°over night