

## **GGPS1 Antibody (monoclonal) (M08)**

Mouse monoclonal antibody raised against a partial recombinant GGPS1.

Catalog # AT2196a

### **Specification**

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#### **GGPS1 Antibody (monoclonal) (M08) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">O95749</a>
Other Accession	<a href="#">NM_004837</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b Kappa</b>
Calculated MW	<b>34871</b>

#### **GGPS1 Antibody (monoclonal) (M08) - Additional Information**

**Gene ID** 9453

##### **Other Names**

Geranylgeranyl pyrophosphate synthase, GGPP synthase, GGPPSase, 251-, (2E, 6E)-farnesyl diphosphate synthase, Dimethylallyltranstransferase, Farnesyl diphosphate synthase, Farnesyltranstransferase, Geranylgeranyl diphosphate synthase, Geranyltranstransferase, GGPS1

##### **Target/Specificity**

GGPS1 (NP\_004828, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB~~1:500~1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

GGPS1 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

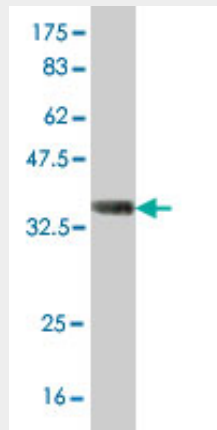
#### **GGPS1 Antibody (monoclonal) (M08) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

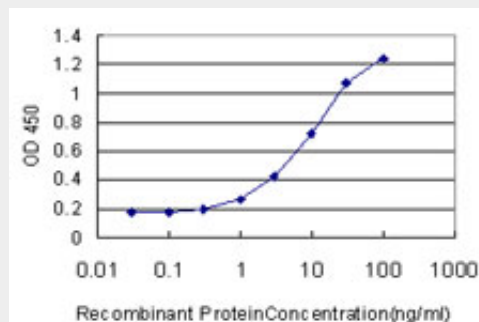
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GGPS1 Antibody (monoclonal) (M08) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged GGPS1 is approximately 0.3ng/ml as a capture antibody.

### GGPS1 Antibody (monoclonal) (M08) - 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.

### GGPS1 Antibody (monoclonal) (M08) - References

Genetic polymorphism of geranylgeranyl diphosphate synthase (GGSP1) predicts bone density response to bisphosphonate therapy in Korean women. Choi HJ, et al. Yonsei Med J, 2010 Mar 1. PMID 20191015. cDNA cloning, chromosome mapping and expression characterization of human geranylgeranyl pyrophosphate synthase. Zhao Y, et al. Sci China C Life Sci, 2000 Dec. PMID 18726356. Human geranylgeranyl diphosphate synthase is an octamer in solution. Miyagi Y, et al. J Biochem, 2007 Sep. PMID 17646172. Farnesyl transferase inhibitor resistance probed by target

mutagenesis. Raz T, et al. Blood, 2007 Sep 15. PMID 17536018. Identifying leukocyte gene expression patterns associated with plasma lipid levels in human subjects. Ma J, et al. Atherosclerosis, 2007 Mar. PMID 16806233.