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GGPS1 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant GGPS1.
Catalog # AT2196a

Product Information

Application	WB, E
Primary Accession	O95749
Other Accession	NM_004837
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1C3
Calculated MW	34871

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 E~~N/A
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.

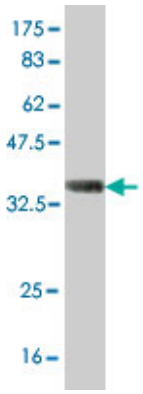
Background

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.

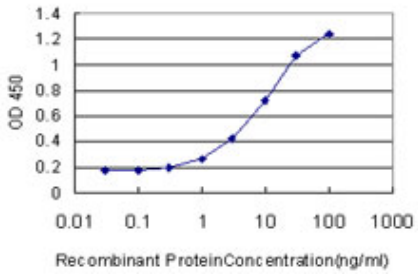
References

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.