

Datasheet

GGPS1 polyclonal antibody

Catalog Number: PAB4325

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of GGPS1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GGPS1.

Host: Rabbit

Reactivity: Human, Mouse

Applications: ELISA, IHC-P, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:100-500)
Immunohistochemistry (1:50-100)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9453

Gene Symbol: GGPS1

Gene Alias: GGPPS, GGPPS1

Gene Summary: 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, encoding different isoforms, have been characterized. [provided by RefSeq]

References:

1. Identification of the GGPS1 genes encoding geranylgeranyl diphosphate synthases from mouse and human. Kainou T, Kawamura K, Tanaka K, Matsuda H, Kawamukai M. *Biochim Biophys Acta*. 1999 Mar 25;1437(3):333-40.
2. Human geranylgeranyl diphosphate synthase. cDNA cloning and expression. Kuzuguchi T, Morita Y, Sagami I, Sagami H, Ogura K. *J Biol Chem*. 1999 Feb 26;274(9):5888-94.
3. Human geranylgeranyl diphosphate synthase: isolation of the cDNA, chromosomal mapping and tissue expression. Ericsson J, Greene JM, Carter KC, Shell BK, Duan DR, Florence C, Edwards PA. *J Lipid Res*. 1998 Sep;39(9):1731-9.