

GGPS1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16807c**Specification**

GGPS1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O95749](#)**GGPS1 Antibody (Center) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GGPS1 Antibody (Center) Blocking Peptide - Protein Information**Name** GGPS1**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.

Cellular Location

Cytoplasm. Cytoplasm, perinuclear region. Cytoplasm, myofibril, sarcomere, Z line

Tissue Location

Abundantly expressed in testis (PubMed:9741684, PubMed:10026212). Found in other tissues to a lower extent (PubMed:9741684, PubMed:10026212). Expressed in dermal fibroblast and skeletal muscle (PubMed:32403198).

GGPS1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GGPS1 Antibody (Center) Blocking Peptide - Images

GGPS1 Antibody (Center) Blocking Peptide - 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. Alternative transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene. [provided by RefSeq].

GGPS1 Antibody (Center) Blocking Peptide - References

Choi, H.J., et al. Yonsei Med. J. 51(2):231-238(2010) Raz, T., et al. Blood 110(6):2102-2109(2007) Miyagi, Y., et al. J. Biochem. 142(3):377-381(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Zhao, Y., et al. Sci. China, C, Life Sci. 43(6):613-622(2000)