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hCG_1745121 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP5961b

Specification

hCG_1745121 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	A4D126
Other Accession	NP_001094896.1

hCG_1745121 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 729920

Other Names
Isoprenoid synthase domain-containing protein, 277-, 2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase-like protein, ISPD

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.

hCG_1745121 Antibody (C-term) Blocking peptide - Protein Information

Name CRPPA (HGNC:37276)

Function
Cytidylyltransferase required for protein O-linked mannosylation (PubMed:22522420, PubMed:27130732, PubMed:27601598, PubMed:26687144, PubMed:22522421, PubMed:26923585). Catalyzes the formation of CDP-ribitol nucleotide sugar from D-ribitol 5-phosphate (PubMed:27130732, PubMed:26687144, PubMed:26923585). CDP-ribitol is a substrate of FKTN during the biosynthesis of the phosphorylated O- mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N- acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:27130732, PubMed:<a

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href="http://www.uniprot.org/citations/26687144" target="_blank">26687144, PubMed:26923585). Shows activity toward other pentose phosphate sugars and mediates formation of CDP-ribulose or CDP-ribose using CTP and ribulose-5- phosphate or ribose-5-phosphate, respectively (PubMed:26687144). Not Involved in dolichol production (PubMed:26687144).

Cellular Location
Cytoplasm, cytosol.

Tissue Location
Ubiquitously expressed, with high expression in brain.

hCG_1745121 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

hCG_1745121 Antibody (C-term) Blocking peptide - Images