

CRPPA Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5961b

Specification

CRPPA Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	A4D126
Other Accession	NP_001094896.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	400-429

CRPPA Antibody (C-term) - Additional Information

Gene ID 729920

Other Names

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

Target/Specificity

This CRPPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from the C-terminal region of human CRPPA.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CRPPA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CRPPA Antibody (C-term) - Protein Information

Name CRPPA ([HGNC:37276](#))

Function Cytidylyltransferase required for protein O-linked mannosylation (PubMed:[22522420](#),

PubMed:[22522421](#), PubMed:[26687144](#), PubMed:[26923585](#), PubMed:[27130732](#), PubMed:[27601598](#)). Catalyzes the formation of CDP-ribitol nucleotide sugar from D-ribitol 5-phosphate (PubMed:[26687144](#), PubMed:[26923585](#), PubMed:[27130732](#)). 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:[26687144](#), PubMed:[26923585](#), PubMed:[27130732](#)). 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.

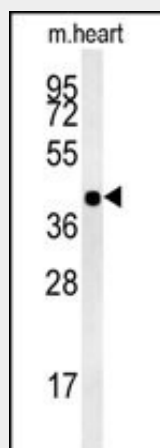
Tissue Location

Ubiquitously expressed, with high expression in brain.

CRPPA Antibody (C-term) - 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](#)

CRPPA Antibody (C-term) - Images

CRPPA Antibody (C-term) (Cat. #AP5961b) western blot analysis in mouse heart tissue lysates (15ug/lane). This demonstrates the CRPPA antibody detected CRPPA protein (arrow).