

Anti-PPC-DC Antibody (5V502)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5V502
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human PPC-DC / PPCDC Protein (TMPY-03507)
Antigen Species:	Human
Synonyms:	coaC;PPC-DC;phosphopantothenoylcysteine decarboxylase;MDS018

Research Background

PPC-DC, also known as PPCDC, belongs to the HFCD (homo oligomeric flavin containing Cys decarboxylase) superfamily which takes a part in the biosynthesis of coenzyme A (CoA) from pantothenate (Vitamin B). Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. This process include several steps: the phosphorylation of pantothenate, the conversion of 4'-hosphopantothenate to 4''-phosphopantetheine, the adenylation by phosphopantetheine adenylyltransferase to form dephospho-CoA and the phosphorylation by dephospho-CoA kinase to form CoA. PPC-DC, one of the last enzymes in this pathway, converts phosphopantothenoylcysteine to 4-prime-phosphopantetheine.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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