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C2ORF25 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59389

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9H3L0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32940

Additional Information

Gene ID	27249
Other Names	Cobalamin trafficking protein CblD, CblD, Methylmalonic aciduria and homocystinuria type D protein, mitochondrial, MMADHC (HGNC:25221), C2orf25, CL25022
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MMADHC (HGNC:25221)
Synonyms	C2orf25, CL25022
Function	Involved in cobalamin metabolism and trafficking (PubMed: 18385497, PubMed:23415655, PubMed:24722857, PubMed:26364851). Plays a role in regulating the biosynthesis and the proportion of two coenzymes, methylcob(III)alamin (MeCbl) and 5'-deoxyadenosylcobalamin (AdoCbl) (PubMed:18385497, PubMed:23415655, PubMed:24722857). Promotes oxidation of cob(II)alamin bound to MMACHC (PubMed:26364851). The processing of cobalamin in the cytosol occurs in a multiprotein complex composed of at least MMACHC, MMADHC, MTRR (methionine synthase reductase) and MTR (methionine synthase) which may contribute to shuttle safely and efficiently cobalamin towards MTR in order to produce methionine (PubMed:27771510).
Cellular Location	Cytoplasm. Mitochondrion

Tissue Location	Widely expressed at high levels.

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