

C2ORF25 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59389**Specification****C2ORF25 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, IEM
Primary Accession	O9H3L0
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32940

C2ORF25 Polyclonal Antibody - Additional Information**Gene ID** 27249**Other Names**

Cobalamin trafficking protein CblD, CblD, Methylmalonic aciduria and homocystinuria type D protein, mitochondrial, MMADHC (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=25221 target="_blank">HGNC:25221), C2orf25, CL25022

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

C2ORF25 Polyclonal Antibody - Protein Information**Name** MMADHC ([HGNC:25221](#))**Synonyms** C2orf25, CL25022**Function**

Involved in cobalamin metabolism and trafficking (PubMed:[18385497](http://www.uniprot.org/citations/18385497), PubMed:[23415655](http://www.uniprot.org/citations/23415655), PubMed:[24722857](http://www.uniprot.org/citations/24722857), PubMed:[26364851](http://www.uniprot.org/citations/26364851)). Plays a role in regulating the biosynthesis and the proportion of two coenzymes, methylcob(III)alamin (MeCbl) and 5'-deoxyadenosylcobalamin (AdoCbl) (PubMed:[18385497](http://www.uniprot.org/citations/18385497), PubMed:[23415655](http://www.uniprot.org/citations/23415655), PubMed:[24722857](http://www.uniprot.org/citations/24722857)). Promotes oxidation of cob(II)alamin bound to MMACHC (PubMed:[26364851](http://www.uniprot.org/citations/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.

C2ORF25 Polyclonal Antibody - 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](#)

C2ORF25 Polyclonal Antibody - Images