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MMAB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5050

Product Information

Application	WB
Primary Accession	Q96EY8
Other Accession	Q9D273
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27388
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	326625
Antigen Region	50-81
Other Names	Cob(I)yrinic acid a, c-diamide adenosyltransferase, mitochondrial, Cob(I)alamin adenosyltransferase, Methylmalonic aciduria type B protein, MMAB
Dilution	WB~~1:1000
Target/Specificity	This MMAB antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 50-81 amino acids from the Central region of human MMAB.
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	MMAB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

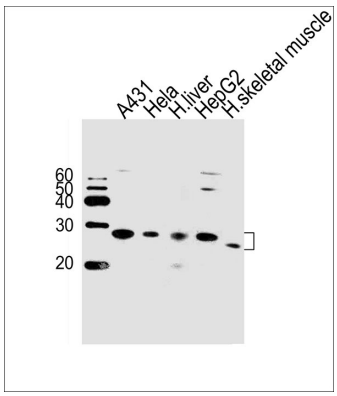
Name	MMAB (HGNC:19331)

Function	Converts cob(I)alamin to adenosylcobalamin (adenosylcob(III)alamin), a coenzyme for methylmalonyl-CoA mutase, therefore participates in the final step of the vitamin B12 conversion (PubMed:12514191). Generates adenosylcobalamin (AdoCbl) and directly delivers the cofactor to MUT in a transfer that is stimulated by ATP- binding to MMAB and gated by MMAA (Probable).
Cellular Location	Mitochondrion.
Tissue Location	Expressed in liver and skeletal muscle.

References

Dobson C.M.,et al.Hum. Mol. Genet. 11:3361-3369(2002).
Leal N.A.,et al.J. Biol. Chem. 278:9227-9234(2003).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Schubert H.L.,et al.Biochemistry 45:15188-15196(2006).
Martinez M.A.,et al.Mol. Genet. Metab. 84:317-325(2005).

Images



Western blot analysis of lysates from A431, Hela cell line, human liver tissue, HepG2 cell line and human skeletal muscle tissue lysate (from left to right),using MMAB Antibody (Center)(Cat. #AW5050). AW5050 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.