10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MMAB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20556c

Product Information

Application	WB, E
Primary Accession	Q96EY8
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB44823
Calculated MW	27388

Additional Information

Gene ID	326625
Other Names	Cob(I)yrinic acid a, c-diamide adenosyltransferase, mitochondrial, Cob(I)alamin adenosyltransferase, Methylmalonic aciduria type B protein, MMAB
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.
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	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).

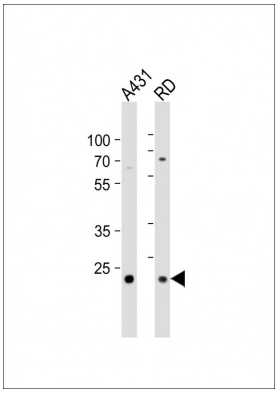
Cellular Location Mitochondrion.

Tissue Location Expressed in liver and skeletal muscle.

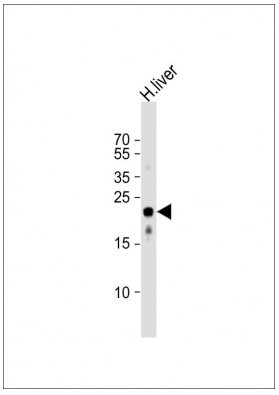
References

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



All lanes : Anti-MMAB Antibody (Center) at 1:1000 dilution Lane 1: A431 whole cell lysates Lane 2: RD whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-MMAB Antibody (Center)at 1:1000 dilution + human liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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