

# MMAB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20556c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q96EY8</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB44823
<b>Calculated MW</b>	27388

## Additional Information

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<b>Gene ID</b>	326625
<b>Other Names</b>	Cob(I)yrinic acid a, c-diamide adenosyltransferase, mitochondrial, Cob(I)alamin adenosyltransferase, Methylmalonic aciduria type B protein, MMAB
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	MMAB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MMAB ( <a href="#">HGNC:19331</a> )
<b>Function</b>	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: <a href="#">12514191</a> ). 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

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Dobson C.M.,et al.Hum. Mol. Genet. 11:3361-3369(2002).

Leal N.A.,et al.J. Biol. Chem. 278:9227-9234(2003).

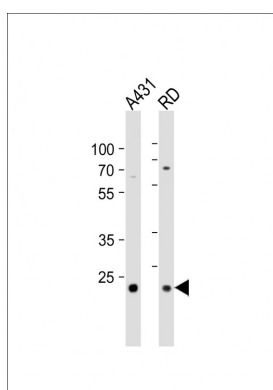
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Schubert H.L.,et al.Biochemistry 45:15188-15196(2006).

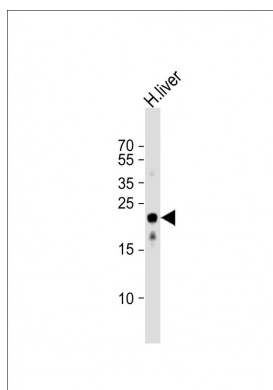
Martinez M.A.,et al.Mol. Genet. Metab. 84:317-325(2005).

## Images

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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'.