

**MMAB Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5050**

**Specification**

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**MMAB Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96EY8</a>
Other Accession	<a href="#">O9D273</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=27;M=26,28 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**MMAB Antibody (Center) - 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.

**MMAB Antibody (Center) - 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:<a href="http://www.uniprot.org/citations/12514191" target="\_blank">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

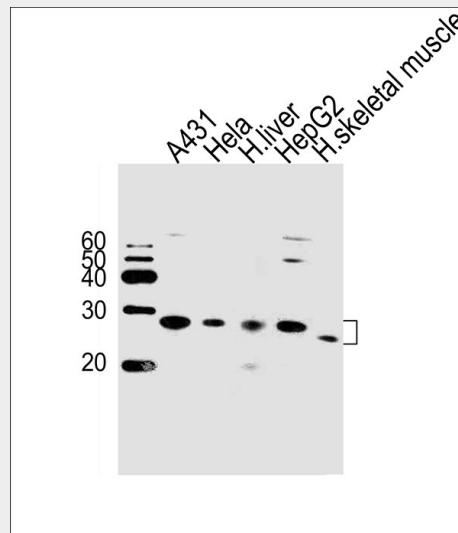
Expressed in liver and skeletal muscle.

## MMAB Antibody (Center) - 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](#)

## MMAB Antibody (Center) - 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.

## MMAB Antibody (Center) - References

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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).  
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