

MMAB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5050

Specification

MMAB Antibody (Center) - Product Information

Application WB,E
Primary Accession O96EY8
Other Accession O9D273
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:12514191). Generates adenosylcobalamin (AdoCbI) and directly delivers the cofactor to MUT in a transfer that is stimulated by ATP- binding to MMAB and gated by MMAA (Probable).

Cellular LocationMitochondrion.

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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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





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).