

MMAB Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20556c**Specification**

MMAB Blocking Peptide (Center) - Product Information

Primary Accession [O96EY8](#)
Other Accession [O9D273](#)

MMAB Blocking Peptide (Center) - 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

The synthetic peptide sequence is selected from aa 70-81 of HUMAN MMAB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MMAB Blocking Peptide (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 (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 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MMAB Blocking Peptide (Center) - Images**MMAB Blocking Peptide (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).