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## Datasheet for ABIN7116251 anti-MMACHC antibody

### Overview

Quantity:	100 µg
Target:	MMACHC
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMACHC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	methylmalonic aciduria(cobalamin deficiency) cblC type, with homocystinuria
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	MMACHC
Alternative Name:	MMACHC ( <a href="#">MMACHC Products</a> )
Background:	Synonyms: Background:Catalyzes the reductive dealkylation of cyanocobalamin to cob(II)alamin, using FAD or FMN as cofactor and NADPH as cosubstrate(PubMed:19700356, PubMed:21697092, PubMed:22642810). Can also catalyze the glutathione-dependent reductive demethylation of methylcobalamin, and, with much lower efficiency, the glutathione-dependent

## Target Details

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reductive demethylation of adenosylcobalamin(PubMed:19801555, PubMed:22642810, PubMed:25809485). Under anaerobic conditions cob(I)alamin is the first product, it is highly reactive and is converted to aquocob(II)alamin in the presence of oxygen(PubMed:19801555). Binds cyanocobalamin, adenosylcobalamin, methylcobalamin and other, related vitamin B12 derivatives(PubMed:21071249).

Molecular Weight: 32 kDa

Gene ID: 25974

UniProt: [Q9Y4U1](#)

## Application Details

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Application Notes: WB: 1:500-1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months