

## MMACHC antibody

### Product Information

Catalog No.:	FNab05227
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### 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 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).

### Immunogen information

Immunogen:	methylmalonic aciduria(cobalamin deficiency) cblC type, with homocystinuria
Synonyms:	Cyanocobalamin reductase / alkylcobalamin dealkylase Alkylcobalamin:glutathione S-alkyltransferase CblC Cyanocobalamin reductase (cyanide-eliminating) Methylmalonic aciduria and homocystinuria type C protein (MMACHC) MMACHC
Observed MW:	32 kDa
Uniprot ID :	Q9Y4U1

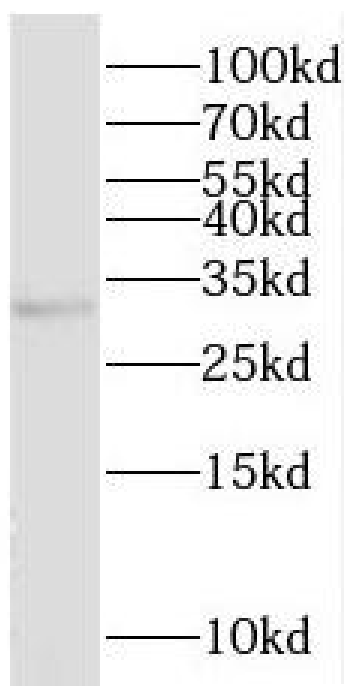
## Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



Raji cells were subjected to SDS PAGE followed by western blot with FNab05227( MMACHC Antibody) at dilution of 1:600