

For Research Use Only

MMACHC Monoclonal antibody, PBS Only



Catalog Number: 66609-1-PBS

Basic Information

Catalog Number: 66609-1-PBS	GenBank Accession Number: BC006122	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 25974	CloneNo.: 4G10A11
Source: Mouse	UNIPROT ID: Q9Y4U1	
Isotype: IgG1	Full Name: methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria	
Immunogen Catalog Number: AG15001	Calculated MW: 282 aa, 32 kDa	

Applications

Tested Applications:
WB, IF, ELISA

Species Specificity:
Human, mouse

Background Information

MMACHC, also named as CblC, is located on chromosome 1 and comprises four coding exons. Human MMACHC catalyzes the reductive decyanation of cyanocobalamin and may serve as a trafficking chaperone for intracellular cobalamin. It also catalyzes the glutathione-dependent reductive demethylation of methylcobalamin, and, with much lower efficiency, the glutathione-dependent reductive demethylation of adenosylcobalamin. MMACHC binds cyanocobalamin, adenosylcobalamin, methylcobalamin and other, related vitamin B12 derivatives.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only

For technical support and original validation data for this product please contact:

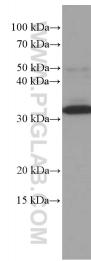
T: 4006900926

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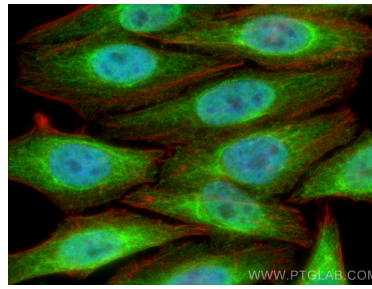
W: ptgcn.com

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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66609-1-Ig (MMAHC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66609-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MMAHC antibody (66609-1-Ig, Clone: 4G10A11) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 66609-1-PBS in a different storage buffer formulation.