

Name:MMADHC mouse monoclonal antibody,clone 1G4
Product Data Sheet - TRUEMAB**Catalog: TA800573**

Components:	<ul style="list-style-type: none">• MMADHC mouse monoclonal antibody,clone 1G4 (TA800573)• 1 vial of 20ug myc-DDK tagged MMADHC HEK293T over-expression lysate lyophilized in RIPA buffer (LC414395). (Reconstitute into 20ul of 1x SDS sample buffer before loading; load 5ul per lane as WB control or as desired)
Amount:	100ul
Immunogen:	Human recombinant protein fragment corresponding to amino acids 39-296 of human MMADHC (NP_056517) produced in E.coli.
Host:	Mouse
Isotype:	IgG1
Species Reactivity:	Human
Guaranteed Applications:	WB
Suggested Dilutions:	WB 1:2000,
Concentration:	1.00 mg/ml
Buffer:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purification:	Purified from mouse ascites fluids by affinity chromatography
Storage Condition:	Shipped at -20C. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name:	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria (MMADHC)
Alternative Name:	C2orf25; cblD; CL25022
Database Link:	NP_056517
Function:	This gene encodes a mitochondrial protein that is involved in an early step of vitamin B12 metabolism. Vitamin B12 (cobalamin) is essential for normal development and survival in humans. Mutations in this gene cause methylmalonic aciduria and homocystinuria type cblD (MMADHC), a disorder of cobalamin metabolism that is characterized by decreased levels of the coenzymes adenosylcobalamin and

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

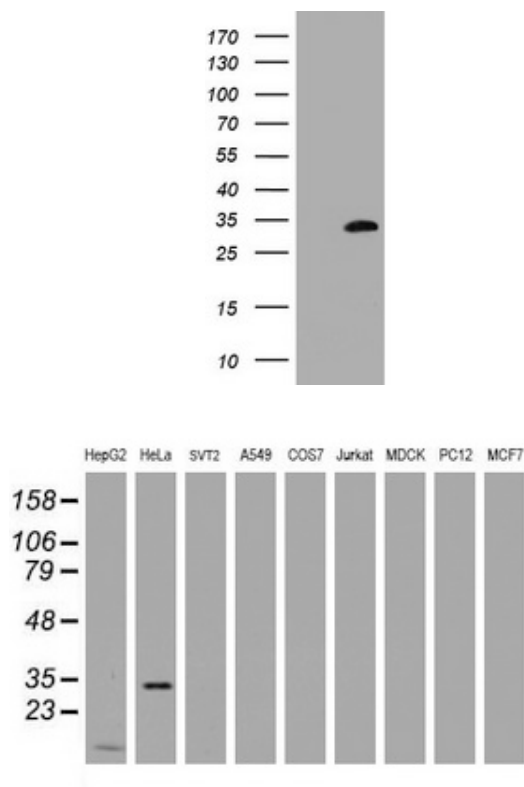
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methylcobalamin. Pseudogenes have been identified on chromosomes 11 and X.[provided by RefSeq,
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Validation Data



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MMADHC (RC204801, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MMADHC.

Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MMADHC monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).

* More validation images may be available on our website: <http://www.origene.com/antibody/TA800573.aspx>