


Anti-MMACHC/CbIC antibody ab96195

[2 References](#) [2 Images](#)

Overview

Product name	Anti-MMACHC/CbIC antibody
Description	Rabbit polyclonal to MMACHC/CbIC
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human MMACHC/CbIC aa 1-188. Database link: NP_056321
Positive control	293T and Raji whole cell lysates; HeLa cells; A431, H1299, HeLaS3 and HepG2 cell lines
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab96195 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 32 kDa.
ICC/IF		1/100 - 1/200.

Target

Function

May be involved in the binding and intracellular trafficking of cobalamin (vitamin B12).

Tissue specificity

Widely expressed. Expressed at higher level in fetal liver. Also expressed in spleen, lymph node, thymus and bone marrow. Weakly or not expressed in peripheral blood leukocytes.

Pathway

Cofactor biosynthesis; adenosylcobalamin biosynthesis.

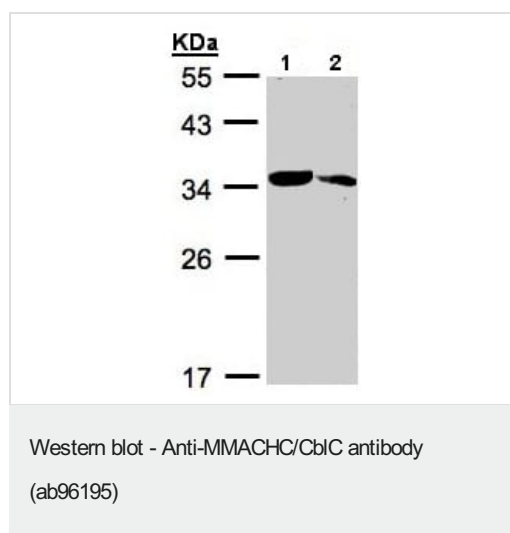
Involvement in disease

Defects in MMACHC are the cause of methylmalonic aciduria and homocystinuria type cblC (MMACHC) [MIM:277400]. MMACHC is a disorder of cobalamin metabolism characterized by decreased levels of the coenzymes adenosylcobalamin (AdoCbl) and methylcobalamin (MeCbl). Affected individuals may have developmental, hematologic, neurologic, metabolic, ophthalmologic, and dermatologic clinical findings. Although considered a disease of infancy or childhood, some individuals develop symptoms in adulthood.

Sequence similarities

Belongs to the MMACHC family.

Images



All lanes : Anti-MMACHC/CblC antibody (ab96195) at 1/1000 dilution

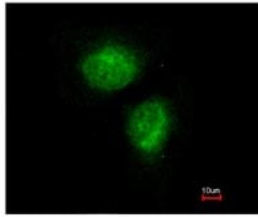
Lane 1 : 293T whole cell lysate

Lane 2 : Raji whole cell lysate

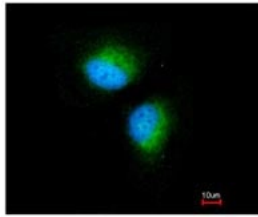
Lysates/proteins at 30 µg per lane.

Predicted band size: 32 kDa

12% SDS-PAGE



ab96195, at 1/100 dilution, staining MMACHC/CblC in paraformaldehyde-fixed HeLa cells by Immunofluorescence. Lower image is merged with DNA probe.



Immunocytochemistry/ Immunofluorescence - Anti-MMACHC/CblC antibody (ab96195)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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