


Product datasheet

Anti-MMACHC/Cb1C antibody ab96195

2 References 2 Images

Overview

<b>Product name</b>	Anti-MMACHC/Cb1C antibody
<b>Description</b>	Rabbit polyclonal to MMACHC/Cb1C
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human MMACHC/Cb1C aa 1-188. Database link: <a href="#">NP_056321</a>
<b>Positive control</b>	293T and Raji whole cell lysates; HeLa cells; A431, H1299, HeLaS3 and HepG2 cell lines
<b>General notes</b>	This product was previously labelled as MMACHC

Properties

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab96195** in the following tested applications.

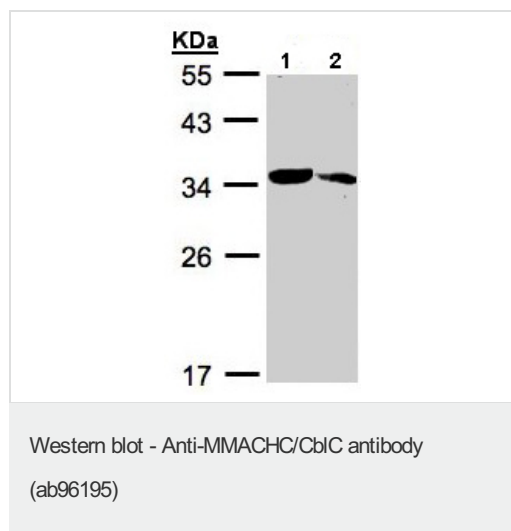
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## Target

<b>Function</b>	May be involved in the binding and intracellular trafficking of cobalamin (vitamin B12).
<b>Tissue specificity</b>	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.
<b>Pathway</b>	Cofactor biosynthesis; adenosylcobalamin biosynthesis.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the MMACHC family.

## Images



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

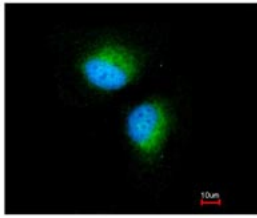
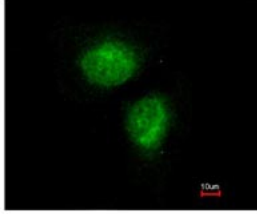
**Lane 1 :** 293T whole cell lysate

**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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