


Anti-MMACHC/CblC antibody [EPR11268] - BSA and Azide free ab250026

Recombinant RabMAb

3 Images

Overview

Product name	Anti-MMACHC/CblC antibody [EPR11268] - BSA and Azide free
Description	Rabbit monoclonal [EPR11268] to MMACHC/CblC - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250026 is the carrier-free version of ab177956.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR11268
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250026 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

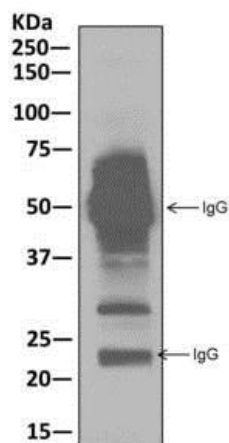
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 32 kDa.
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

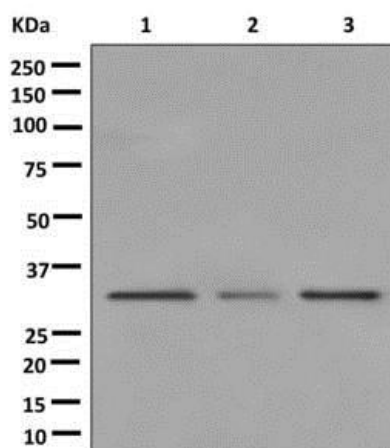
Function	May be involved in the binding and intracellular trafficking of cobalamin (vitamin B12).
Tissue specificity	Widely expressed. Expressed at higher level in fetal liver. Also expressed in spleen, lymph node, thymus and bone marrow. Weakly or not expressed in peripheral blood leukocytes.
Pathway	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



Immunoprecipitation - Anti-MMACHC/CblC antibody
[EPR11268] - BSA and Azide free (ab250026)

This data was developed using [ab177956](#), the same antibody clone in a different buffer formulation. Western blot analysis on immunoprecipitation pellet from HepG2 cell lysate using [ab177956](#).



Western blot - Anti-MMACHC/CblC antibody
[EPR11268] - BSA and Azide free (ab250026)

All lanes : Anti-MMACHC/CblC antibody [EPR11268] ([ab177956](#))
at 1/10000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : U937 cell lysate

Lane 3 : Raji cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 32 kDa

This data was developed using [ab177956](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-MMACHC/CbIC antibody [EPR11268] - BSA
and Azide free (ab250026)

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

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