Datasheet for ABIN7159657

anti-MMADHC antibody (AA 26-142)

3 Images

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Overview

Quantity:	100 µg
Target:	MMADHC
Binding Specificity:	AA 26-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMADHC antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Methylmalonic aciduria and homocystinuria type D protein, mitochondrial protein (26-142AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MMADHC
Alternative Name:	MMADHC (MMADHC Products)
Background:	Background: Involved in cobalamin metabolism (PubMed:18385497, PubMed:23415655,

Target Details

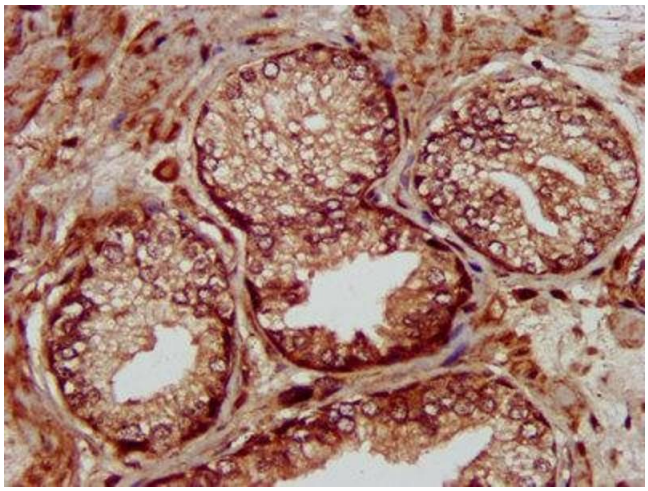
	PubMed:24722857, PubMed:26364851). Plays a role in regulating the biosynthesis of two coenzymes, methylcobalamin and adenosylcobalamin (PubMed:18385497, PubMed:24722857). Plays a role in regulating the proportion of methylcobalamin and adenosylcobalamin (PubMed:23415655, PubMed:24722857). Promotes oxidation of cob(II)alamin bound to MMACHC (PubMed:26364851). Aliases: C2orf25 antibody, cblD antibody, Chromosome 2 open reading frame 25 antibody, CL25022 antibody, Methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria antibody, Methylmalonic aciduria and homocystinuria type D protein antibody, methylmalonic aciduria and homocystinuria type D protein, mitochondrial antibody, mitochondrial antibody, MMAD_HUMAN antibody, Mmadhc antibody, Protein C2orf25, mitochondrial antibody
UniProt:	Q9H3L0

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

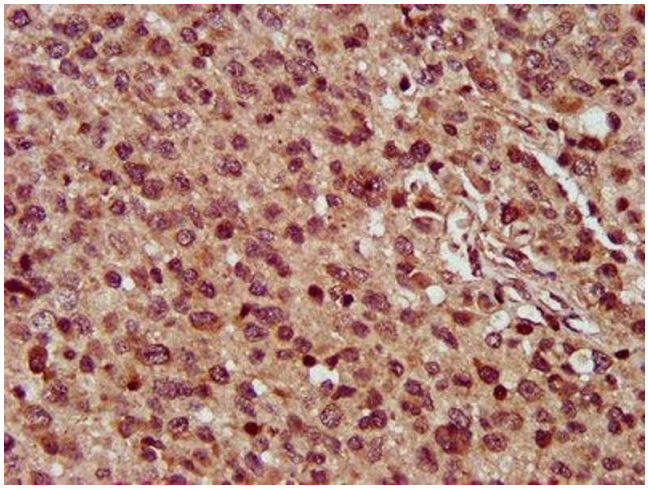
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



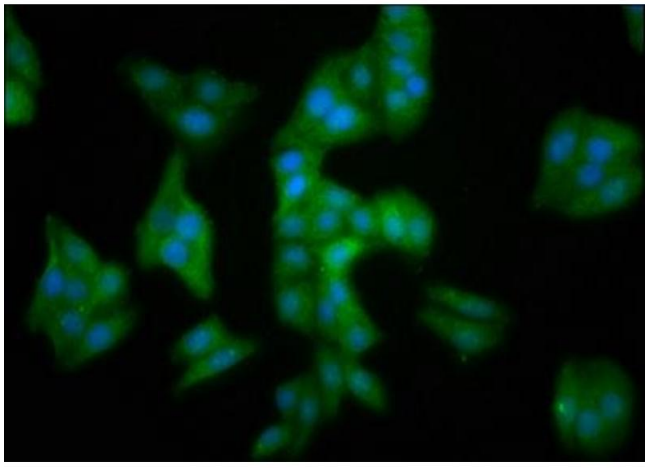
Immunohistochemistry

Image 1. IHC image of ABIN7159657 diluted at 1:300 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. IHC image of ABIN7159657 diluted at 1:300 and staining in paraffin-embedded human glioma performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7159657 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).