

Rabbit anti-Human MMADHC Polyclonal Antibody | anti-MMADHC antibody

MMADHC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234709	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

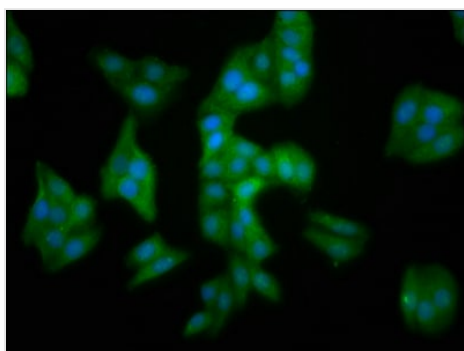
PRODUCT SYNONYMS

MMADHC; Polyclonal Antibody; MMADHC Antibody; Methylmalonic aciduria and homocystinuria type D protein; mitochondrial; CblD3; s; C2orf25; CL25022; HSPC161; My011; anti-MMADHC antibody

PRODUCT SPECIFICATIONS

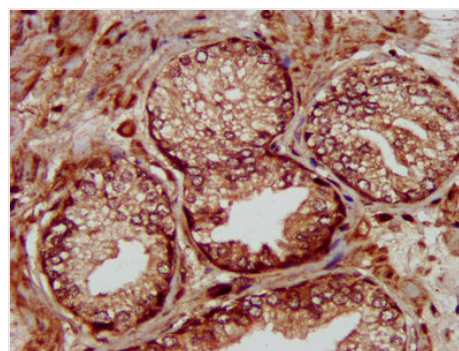
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	296
Applicable Applications for anti-MMADHC antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Methylmalonic aciduria and homocystinuria type D protein, mitochondrial protein (26-142AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



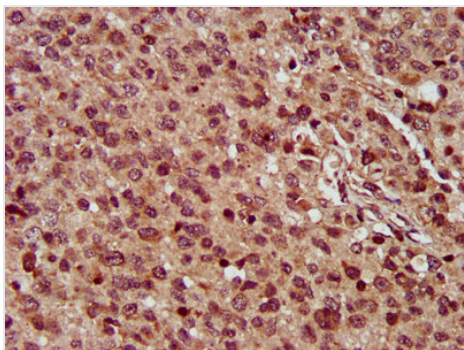
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234709 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 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234709 diluted at 1:300 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234709 diluted at 1:300 and staining in paraffin-embedded human glioma cancer performed on a Leica Bond™ 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-MMADHC antibody	Involved in cobalamin metabolism (PubMed:18385497, PubMed:23415655, 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).
Product Categories/Family for anti-MMADHC antibody	Tags & Cell Markers ; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661548
NCBI GeneID	27249
NCBI Accession #	NP_056517.1
NCBI GenBank Nucleotide #	NM_015702.2
UniProt Accession #	Q9H3L0 ; O95891 ; B2R895 ; D3DP91
Molecular Weight	32,940 Da
NCBI Official Full Name	methylmalonic aciduria and homocystinuria type D protein, mitochondrial
NCBI Official Synonym Full Names	methylmalonic aciduria and homocystinuria, cblD type
NCBI Official Symbol	MMADHC
NCBI Official Synonym Symbols	cblD; C2orf25; CL25022
NCBI Protein Information	methylmalonic aciduria and homocystinuria type D protein, mitochondrial
UniProt Protein Name	Methylmalonic aciduria and homocystinuria type D protein, mitochondrial
UniProt Gene Name	MMADHC
UniProt Synonym Gene Names	C2orf25; CL25022

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.