

Rabbit anti-Human, mouse MMAA Polyclonal Antibody | anti-MMAA antibody

MMAA Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288001	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MMAA; Polyclonal Antibody; MMAA Antibody (N-term); Methylmalonic aciduria type A protein; mitochondrial; 36--; anti-MMAA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MMAA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-84 amino acids from the N-terminal region of human MMAA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	56-84
Sequence Length	418
Applicable Applications for anti-MMAA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

MMAA Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded human skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MMAA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of MMAA Antibody (N-term) in mouse liver tissue lysates (35ug/lane). MMAA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MMAA antibody	The protein encoded by this gene is involved in the translocation of cobalamin into the mitochondrion, where it is used in the final steps of adenosylcobalamin synthesis. Adenosylcobalamin is a coenzyme required for the activity of methylmalonyl-CoA mutase. Defects in this gene are a cause of methylmalonic aciduria.
Product Categories/Family for anti-MMAA antibody	Metabolism; Signal Transduction
References	Honjo, R.S., et al. Genet Test Mol Biomarkers 13(2):181-183(2009) Merinero, B., et al. J. Inherit. Metab. Dis. 31(1):55-66(2008) Horster, F., et al. Pediatr. Res. 62(2):225-230(2007) Padovani, D., et al. J. Biol. Chem. 281(26):17838-17844(2006) Lerner-Ellis, J.P., et al. Hum. Mutat. 24(6):509-516(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	26892295
NCBI GeneID	166785
NCBI Accession #	NP_758454.1
NCBI GenBank Nucleotide #	NM_172250.2
UniProt Accession #	Q8IVH4; Q495G7; B3KX40
Molecular Weight	46538
NCBI Official Full Name	methylmalonic aciduria type A protein, mitochondrial
NCBI Official Synonym Full Names	methylmalonic aciduria (cobalamin deficiency) cblA type
NCBI Official Symbol	MMAA
NCBI Official Synonym Symbols	cblA
NCBI Protein Information	methylmalonic aciduria type A protein, mitochondrial
UniProt Protein Name	Methylmalonic aciduria type A protein, mitochondrial
UniProt Gene Name	MMAA
UniProt Entry Name	MMAA_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmaa-antibody-immunohistochemistry-western-blot-elisa/288001>