

Rabbit Methylmalonyl Coenzyme A mutase Polyclonal Antibody | anti-MUT antibody

Methylmalonyl Coenzyme A mutase Antibody

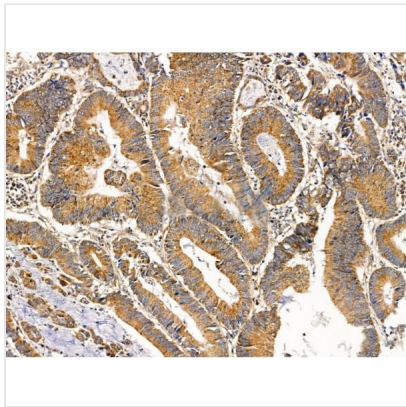
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329186	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Chicken(100%)	ELISA

PRODUCT SYNONYMS

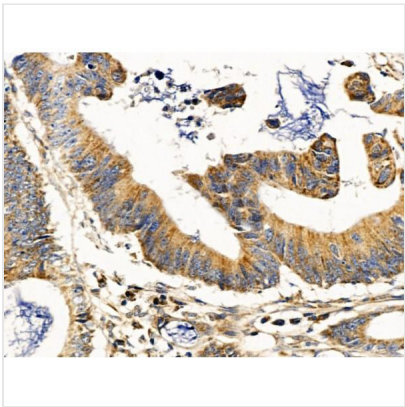
Methylmalonyl Coenzyme A mutase; Polyclonal Antibody; Methylmalonyl Coenzyme A mutase Antibody; MCM; Methylmalonyl CoA isomerase; Methylmalonyl CoA mutase mitochondrial; Methylmalonyl-CoA isomerase; Methylmalonyl-CoA mutase; mitochondrial; Mut; MUTA_HUMAN; anti-MUT antibody

PRODUCT SPECIFICATIONS

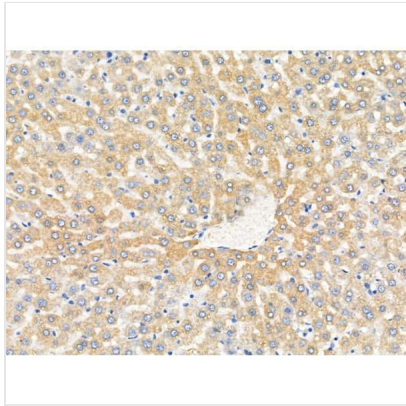
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Methylmalonyl Coenzyme A mutase Antibody detects endogenous levels of total Methylmalonyl Coenzyme A mutase.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	750
Applicable Applications for anti-MUT antibody	ELISA
Immunogen	A synthesized peptide derived from human Methylmalonyl Coenzyme A mutase, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



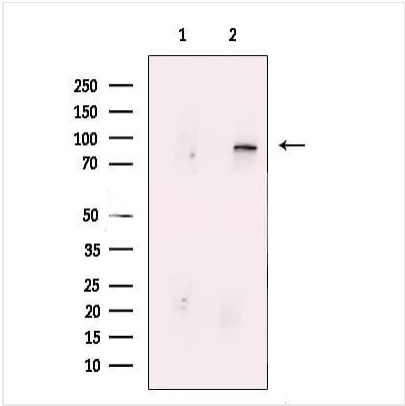
IHC (Immunohistochemistry)
AAA329186 at 1/100 staining Human colorectal cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



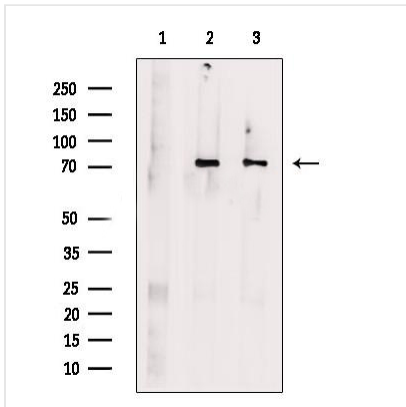
IHC (Immunohistochemistry)
AAA329186 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329186 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from A431 cells, using Methylmalonyl Coenzyme A mutase Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Methylmalonyl Coenzyme A mutase Antibody. Lane 1: DU145 cells, treated with blocking peptide; Lane 2: DU145 cells; Lane 3: EC304 cells.

ADDITIONAL INFORMATION

Related Product Information for anti-MUT antibody	Function: Involved in the degradation of several amino acids, odd-chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle. MCM has different functions in other species. Subcellular Location: Mitochondrion matrix. Subunit Structure: Homodimer (PubMed:20876572). Interacts (the apoenzyme form) with MMAA; the interaction is GTP dependent (PubMed:20876572). Similarity: Belongs to the methylmalonyl-CoA mutase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373575
NCBI GeneID	4594
UniProt Accession #	P22033
Molecular Weight	Observed Molecular Weight: (Observed)83kD. Predicted Molecular Weight: (Calculated)83kDa.
NCBI Official Full Name	Methylmalonyl-CoA mutase, mitochondrial
NCBI Official Synonym Full Names	methylmalonyl-CoA mutase
NCBI Official Symbol	MMUT
NCBI Official Synonym Symbols	MCM; MUT
NCBI Protein Information	methylmalonyl-CoA mutase, mitochondrial
UniProt Protein Name	Methylmalonyl-CoA mutase, mitochondrial
UniProt Gene Name	MUT
UniProt Synonym Gene Names	MCM
UniProt Entry Name	MUTA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/methylmalonyl-coenzyme-a-mutase-antibody-elisa/329186>