

Rabbit anti-Human, Rat MUT Polyclonal Antibody | anti-MUT antibody

Anti-MUT Antibody

CATALOG # AAA46727	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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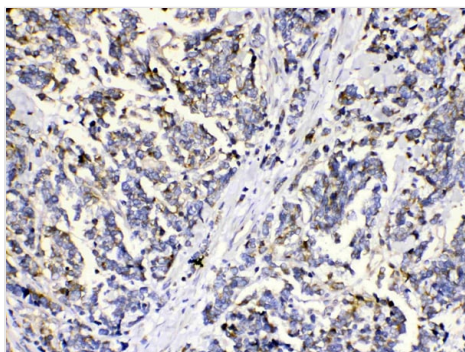
PRODUCT SYNONYMS

MUT; Polyclonal Antibody; Anti-MUT Antibody; MCM; Mut; P22033; Methylmalonyl-CoA mutase; mitochondrial; methylmalonyl-CoA mutase; anti-MUT antibody

PRODUCT SPECIFICATIONS

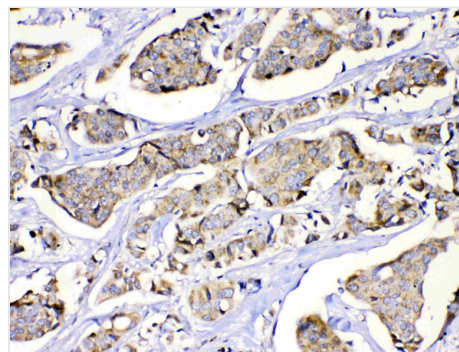
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	750
Applicable Applications for anti-MUT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.Reconstitution
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MUT (33-65aa LHQQQLHPEWAALAKKQLKGKNPEDLIWHTPE), different from the related mouse sequence by one amino acid.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



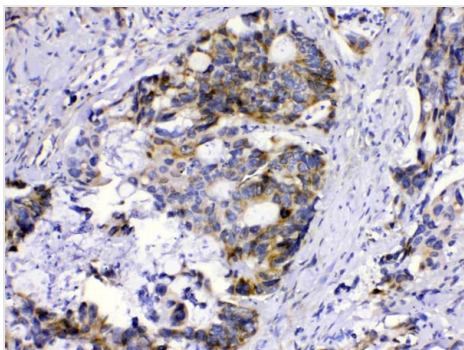
IHC (Immunohistochemistry)

MUT was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- MUT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



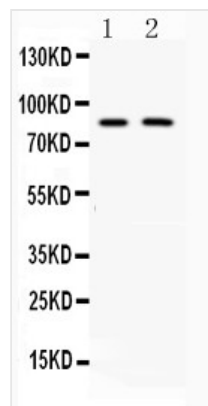
IHC (Immunohistochemistry)

MUT was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- MUT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

MUT was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- MUT Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of MUT expression in rat kidney extract (lane 1) and 22RV1 whole cell lysates (lane 2). MUT at 83KD was detected using rabbit anti- MUT Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-MUT antibody	Rabbit IgG polyclonal antibody for Methylmalonyl-CoA mutase, mitochondrial(MUT) detection. Background: Methylmalonyl-CoA mutase (MUT) is a mitochondrial enzyme that catalyzes the isomerization of methylmalonyl-CoA to succinyl-CoA. This gene is mapped to 6p12.3. MUT requires a vitamin B12-derived prosthetic group, adenosylcobalamin (commonly referred to as AdoCbl), to function. And the product of this enzyme, succinyl-CoA, is a key molecule of the TCA cycle.
References	1. Adjalla, C. E., Hosack, A. R., Gilfix, B. M., Lamothe, E., Sun, S., Chan, A., Evans, S., Matiaszuk, N. V., Rosenblatt, D. S. Seven novel mutations in mut methylmalonic aciduria. Hum. Mutat. 11: 270-274, 1998. 2. Berger, I., Shaag, A., Anikster, Y., Baumgartner, E. R., Bar-Meir, M., Joseph, A., Elpeleg, O. N. Mutation analysis of the MCM gene in Israeli patients with mut(0) disease. Molec. Genet. Metab. 73: 107-110, 2001. 3. Cavicchi, C., Donati, M. A., Funghini, S., la Marca, G., Malvagia, S., Ciani, F., Poggi, G. M., Pasquini, E., Zammarchi, E., Morrone, A. Genetic and biochemical approach to early prenatal diagnosis in a family with mut methylmalonic aciduria. Clin. Genet. 69: 72-76, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156105689
NCBI GeneID	4594
NCBI Accession #	NP_000246.2
NCBI GenBank Nucleotide #	NM_000255.3
UniProt Accession #	P22033; Q5SYZ3; Q96B11; Q9UD64; A8K953
Molecular Weight	83,134 Da
NCBI Official Full Name	methylmalonyl-CoA mutase, mitochondrial
NCBI Official Synonym Full Names	methylmalonyl-CoA mutase
NCBI Official Symbol	MUT
NCBI Official Synonym Symbols	MCM
NCBI Protein Information	methylmalonyl-CoA mutase, mitochondrial
UniProt Protein Name	Methylmalonyl-CoA mutase, mitochondrial
UniProt Gene Name	MUT
UniProt Synonym Gene Names	MCM

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://www.aaabiotech.com/polyclonal/mut-antibody-immunohistochemistry-western-blot-elisa/46727>