

# MMUT Rabbit mAb

Catalog No.: A9406

Recombinant

## Basic Information

### Observed MW

83kDa

### Calculated MW

83kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2734

## Background

This gene encodes the mitochondrial enzyme methylmalonyl Coenzyme A mutase. In humans, the product of this gene is a vitamin B12-dependent enzyme which catalyzes the isomerization of methylmalonyl-CoA to succinyl-CoA, while in other species this enzyme may have different functions. Mutations in this gene may lead to various types of methylmalonic aciduria.

## Recommended Dilutions

WB 1:100 - 1:500

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

4594

### Swiss Prot

P22033

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MMUT (P22033).

### Synonyms

MCM; MUT; MMUT

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

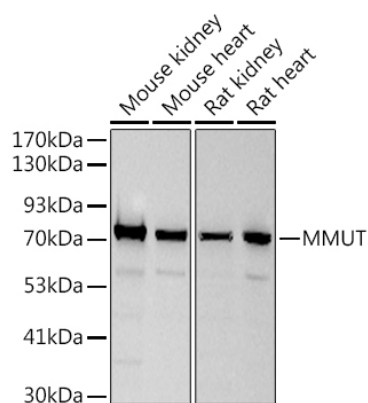
Affinity purification

### Storage

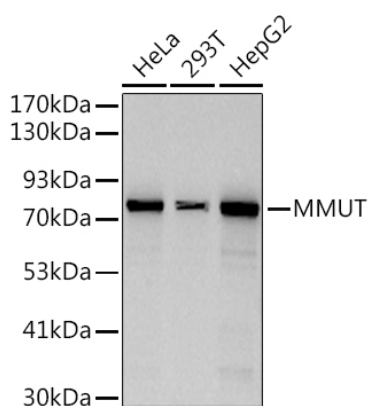
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

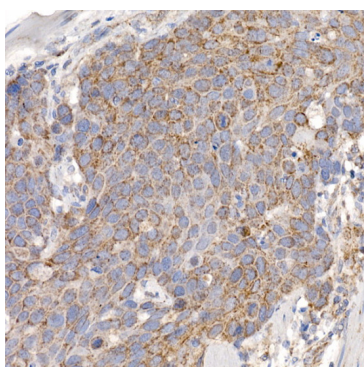
## Validation Data



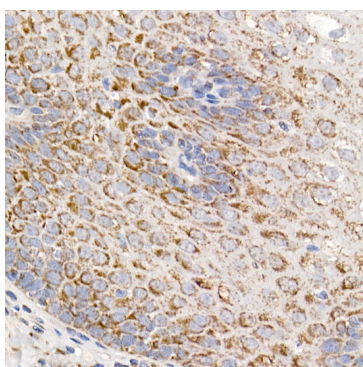
Western blot analysis of extracts of various cell lines, using (A9406) at 1:500 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 3s.



Western blot analysis of extracts of various cell lines, using (A9406) at 1:500 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded human esophageal cancer using MMUT Rabbit mAb (A9406) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human esophagus using MMUT Rabbit mAb (A9406) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.