

**MUT/Methylmalonyl CoA mutase
Antibody, Rabbit PAb, Antigen
Affinity Purified**

Catalog Number: 201174-T46



Sino Biological
Biological Solution Specialist

GENERAL INFORMATION

Immunogen:	E. coli-derived Human MUT/Methylmalonyl CoA mutase fragment
Preparation	Produced in rabbits immunized with E. coli-derived Human MUT/Methylmalonyl CoA mutase fragment, and purified by antigen affinity chromatography.
Ig Type:	Rabbit IgG
Specificity:	Human MUT/Methylmalonyl CoA mutase
Formulation:	PBS, pH7.0 with 0.03% Proclin300
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Alternative Names:	MUT

APPLICATIONS

Applications:	WB, IHC-P, ICC/IF, IP
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RECOMMENDED CONCENTRATION

IHC-P	IHC-P: 1:50-1:200
ICC/IF	ICC/IF: 1:100-1:500
Western Blot	WB: 1:500-1:2000
Immunoprecipitation	IP: 1-5µL/mg of lysate

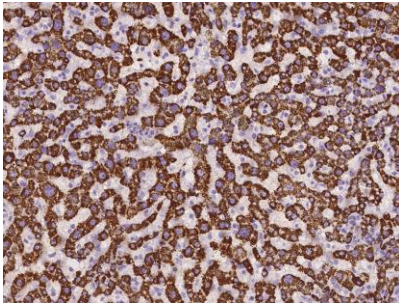
Please Note: Optimal concentrations/dilutions should be determined by the end user.

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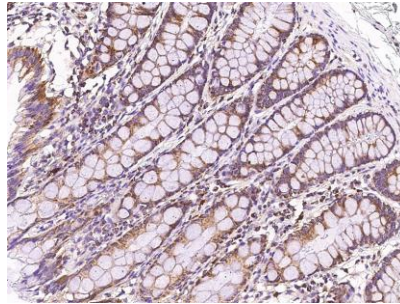
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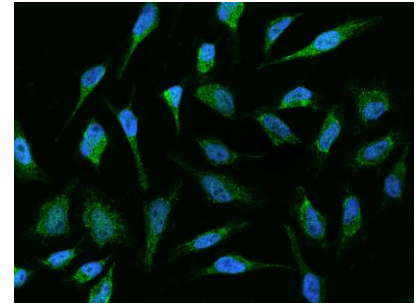
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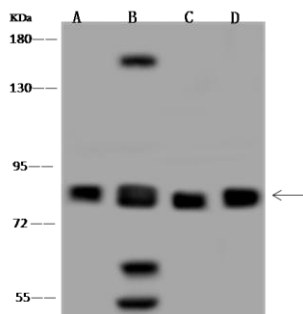
Immunohistochemical staining of human MUT in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



Immunohistochemical staining of human MUT in human rectum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



Immunofluorescence staining of MUT in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MUT polyclonal antibody (dilution ratio 1:200) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



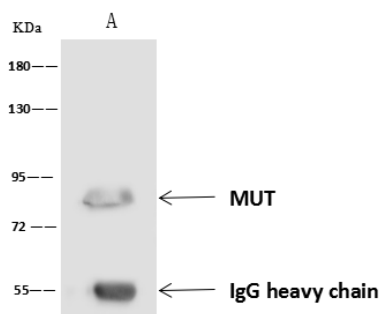
Anti-MUT rabbit polyclonal antibody at 1:500 dilution

Lane A: K562 Whole Cell Lysate
Lane B: A431 Whole Cell Lysate
Lane C: HeLa Whole Cell Lysate
Lane D: HepG2 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.
Secondary
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 83 kDa
Observed band size: 83 kDa
(We are unsure as to the identity of these extra bands.)



MUT was immunoprecipitated using:
Lane A: 0.5 mg A431 Whole Cell Lysate

4 µL anti-MUT rabbit polyclonal antibody and
60 µg of Immunomagnetic beads Protein A/G.

Primary antibody:
Anti-MUT rabbit polyclonal antibody, at 1:100 dilution

Secondary antibody:
Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 83 kDa
Observed band size: 87 kDa