

MUT Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22354a

Product Information

Application	WB, IF, IHC-P-Leica, E
Primary Accession	P22033
Other Accession	Q9GK13 , Q8HXX1 , P16332 , Q5RFN2
Reactivity	Human, Mouse
Predicted	Mouse, Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB57882

Additional Information

Other Names	Methylmalonyl-CoA mutase, mitochondrial, MCM, 5.4.99.2, Methylmalonyl-CoA isomerase, MUT
Target/Specificity	This MUT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 32-66 amino acids from the human region of human MUT.
Dilution	WB~~1:2000 IF~~1:25 IHC-P-Leica~~1:250 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MUT Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

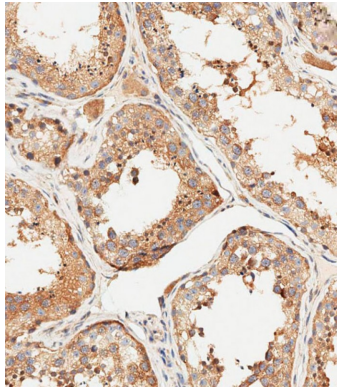
Background

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.

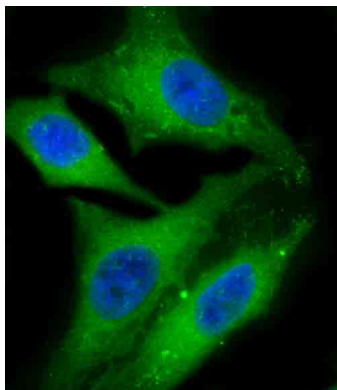
References

Jansen R., et al. *Genomics* 4:198-205(1989).
Nham S.U., et al. *Genomics* 8:710-716(1990).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Mungall A.J., et al. *Nature* 425:805-811(2003).

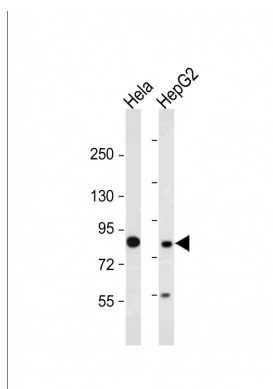
Images



Immunohistochemical analysis of paraffin-embedded human testis tissue using AP22354a performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/250) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

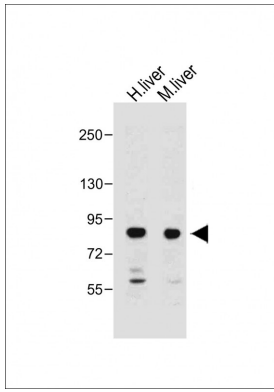


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling MUT with AP22354a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and weak nucleus staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-MUT Antibody (N-Term) at 1:2000 dilution
Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes : Anti-MUT Antibody (N-Term) at 1:2000 dilution
Lane 1: Human liver lysate Lane 2: Mouse liver lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.