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# anti-MUT antibody (AA 492-526)







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Overview	
Quantity:	200 μL
Target:	MUT
Binding Specificity:	AA 492-526
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	This MUT antibody is generated from a rabbit immunized with a KLH conjugated synthetic
	peptide between 492-526 amino acids from the Central region of human MUT.
Clone:	RB57881
lsotype:	lg Fraction
Predicted Reactivity:	Н
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	MUT
Alternative Name:	MUT (MUT Products)

#### **Target Details**

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.
Molecular Weight:	83134
UniProt:	P22033
Pathways:	Monocarboxylic Acid Catabolic Process

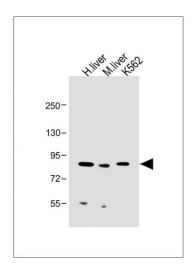
## **Application Details**

Application Notes:	IF: 1:25. WB: 1:2000. WB: 1:2000
Restrictions:	For Research Use only

#### Handling

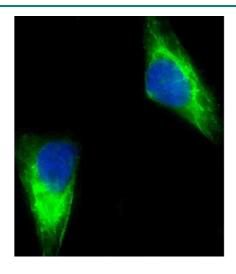
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

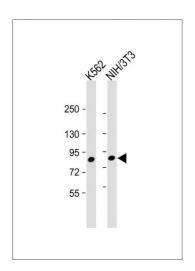
#### **Images**



### **Western Blotting**

**Image 1.** All lanes: Anti-MUT Antibody (Center) at 1:2000 dilution Lane 1: Human liver lysate Lane 2: Mouse liver lysate Lane 3: K562 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: kDa Blocking/Dilution buffer: 5 % NFDM/TBST.





#### **Immunofluorescence**

Image 2. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Hela (human cervical epithelial adenocarcinoma cell line) cells labeling MUT with (ABIN6244053 and ABIN6578896) 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 mainly and mitochondrion staining on Hela cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DI (blue).

#### **Western Blotting**

Image 3. All lanes: Anti-MUT Antibody (Center) at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: NIH/3T3 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.