SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-MUL1 antibody

SL9291R

Product Name:	MUL1
Chinese Name:	E3Ubiquitin连接酶MUL1抗体
Alias:	E3 ubiquitin-protein ligase MUL1; C1orf166; E3 ubiquitin ligase; E3 ubiquitin protein ligase MUL1; GIDE; Growth inhibition and death E3 ligase; MAPL; Mitochondrial anchored protein ligase; Mitochondrial ubiquitin ligase activator of NFKB 1; MUL1; MULAN; Putative NF kappa B activating protein 266; RING finger protein 218; RNF218; RP23-25C1.10-002; MUL1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testIF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MUL1/RNF218:1-100/352
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	E3 ubiquitin-protein ligase that plays a role in the control of mitochondrial morphology. Promotes mitochondrial fragmentation and influences mitochondrial localization. Inhibits cell growth. When overexpressed, activates JNK through MAP3K7/TAK1 and

www.sunlongbiotech.com

induces caspase-dependent apoptosis. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugatin.

Function:
Exhibits weak E3 ubiquitin-protein ligase activity, but preferentially acts as a SUMO E3 ligase at physiological concentrations. Plays a role in the control of mitochondrial morphology. Promotes mitochondrial fragmentation and influences mitochondrial localization. Inhibits cell growth. When overexpressed, activates JNK through MAP3K7/TAK1 and induces caspase-dependent apoptosis. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.

Subunit:
Homooligomer. Interacts with MAP3K7/TAK1. Interacts with UBC9. Interacts with and sumoylates DNM1L.

Subcellular Location:
Mitochondrion outer membrane; Multi-pass membrane protein. Peroxisome. Note: Transported in mitochondrion-derived vesicles from the mitochondrion to the peroxisome.

Tissue Specificity:
Widely expressed with highest levels in the heart, skeletal muscle, placenta, kidney and liver. Barely detectable in colon and thymus.

Similarity:
Contains 1 RING-type zinc finger.

SWISS:
Q969V5

Gene ID:
79594

Database links:

Entrez Gene: 79594Human

Entrez Gene: 68350Mouse

Entrez Gene: 298576Rat

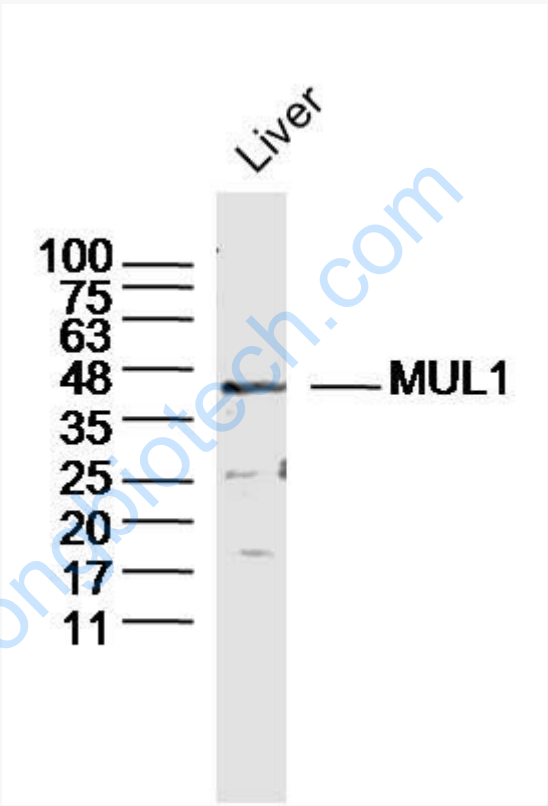
Omim: 612037Human

SwissProt: Q969V5Human

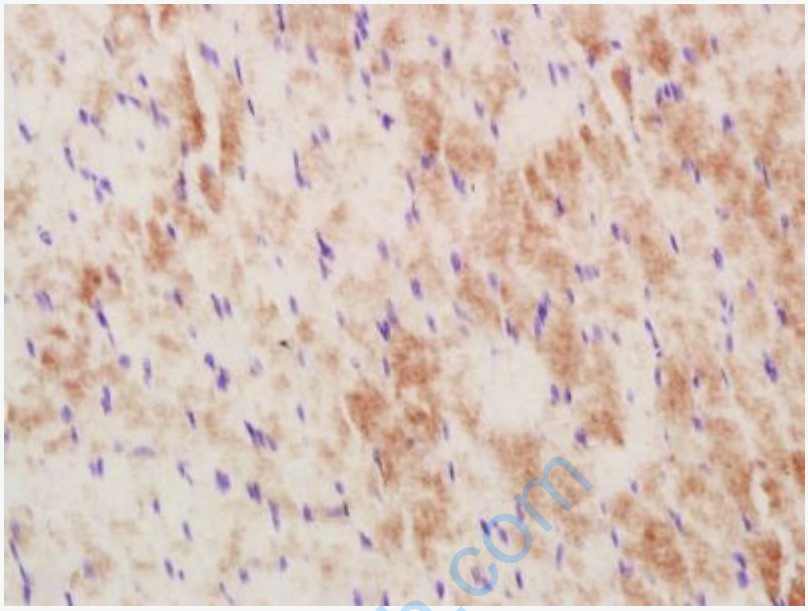
SwissProt: Q8VCM5Mouse

Unigene: 10101Human

www.sunlongbiotech.com

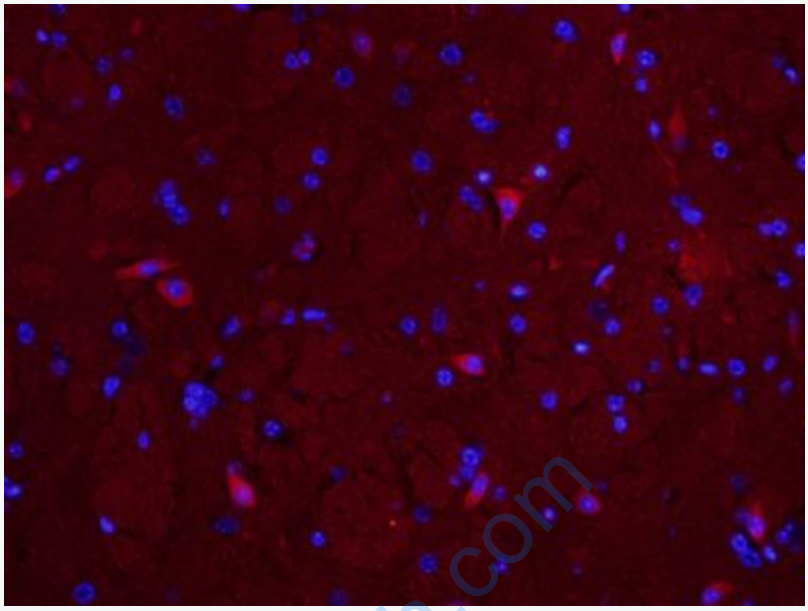
	Unigene: 103413Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-MUL1 (SL9291R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40kD Observed band size: 40kD

www.sunlongbiotech.com



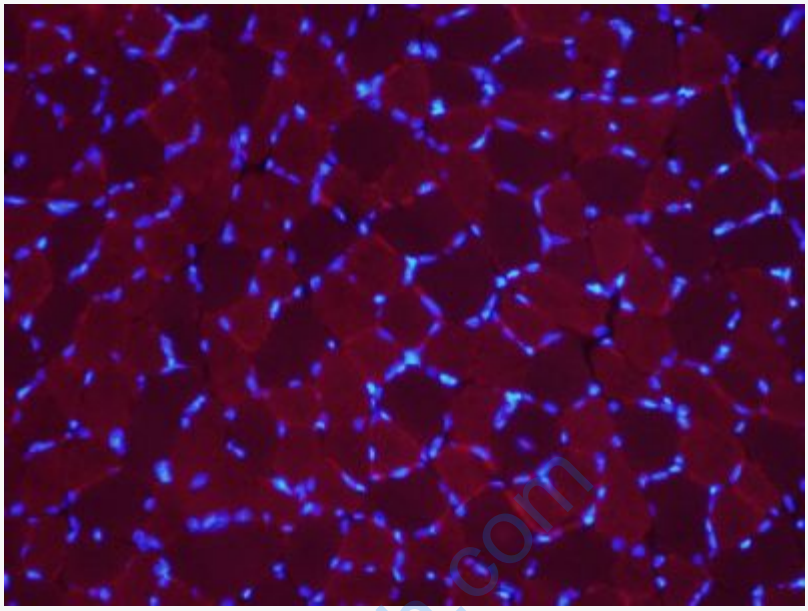
Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (SL9291R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

www.sunlongbiotech.com



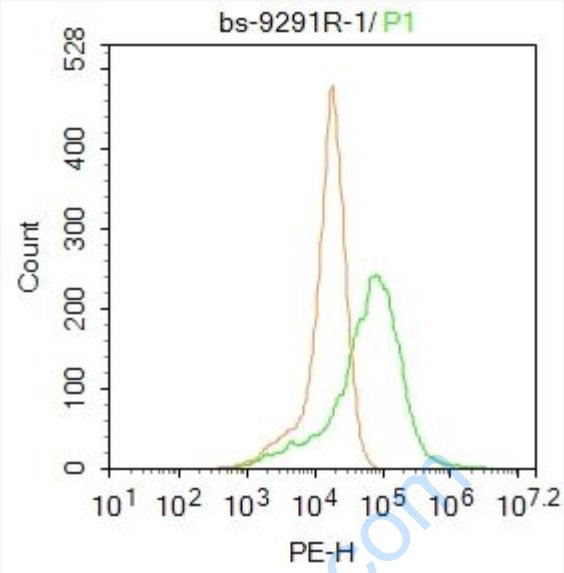
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (SL9291R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL9291R) for 90 minutes, and DAPI for nuclei staining.

www.sunlongbiotech.com



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (SL9291R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (SL9291R) for 90 minutes, and DAPI for nuclei staining.

www.sunlongbiotech.com



Blank control: A549.

Primary Antibody (green line): Rabbit Anti-MUL1 antibody (SL9291R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

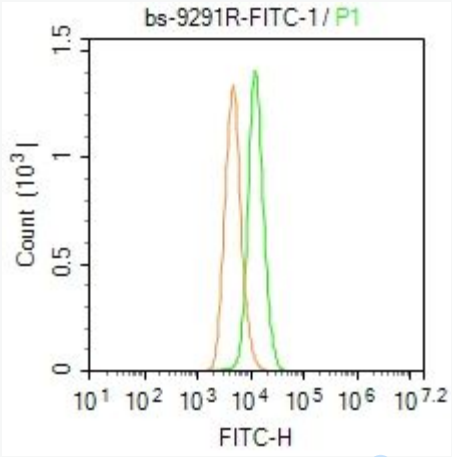
Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 1μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

www.sunlongbiotech.com



Blank control: A549.

Primary Antibody (green line): Rabbit Anti-MUL1/FITC Conjugated antibody (SL9291R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG-FITC .

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at-20℃. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. The cells were stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.

www.sunlongbiotech.com