

Anti-MUL1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 40 kDa. Actual: 40 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (TMAB-09106) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (TMAB-09106) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes, and DAPI for nuclei staining.
3. Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MUL1) Polyclonal Antibody, Unconjugated (TMAB-09106) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 90 minutes, and DAPI for nuclei staining.
4. Blank control: A549.
 Primary Antibody (green line): Rabbit Anti-MUL1/FITC Conjugated antibody (TMAB-09106-FITC)
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG-FITC.
 Protocol
 The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at -20°C. 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.
5. Blank control: A549.
 Primary Antibody (green line): Rabbit Anti-MUL1 antibody (TMAB-09106)
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG.
 Secondary Antibody: Goat anti-rabbit IgG-PE
 Dilution: 1 µg /test.
 Protocol
 The cells were fixed with 4% PFA (10 min 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.

Verified Activity:

A DRUG SCREENING EXPERT

6. Sample: Liver (Mouse) Lysate at 40 µg
Primary: Anti-MUL1 (TMAB-09106) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 40 kD
Observed band size: 40 kD

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MUL1/RNF218

Antigen Species: Human

Gene ID: 79594

Uniprot ID: Q969V5

Research Background

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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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