

Anti-ACTA1 Antibody (9L820)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9L820
Purification:	Affinity-chromatography

Applications

1. Western Blot

- Positive WB detected in: Hela whole cell lysate, A549 whole cell lysate, Raw264.7 whole cell lysate, NIH/3T3 whole cell lysate, HepG2 whole cell lysate, Rat brain tissue, Rat heart tissue
- All lanes: Actin antibody at 0.95µg/ml
- Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
- Predicted band size: 42 KDa
- Observed band size: 42 KDa

2. IHC image of TMAH-00018 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Verified Activity:

3. Immunofluorescence staining of HepG2 cells with TMAH-00018 at 1:60, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

4. Overlay histogram showing Hela cells stained with TMAH-00018 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4°C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA,FCM,IF,IHC,WB

Recommended WB:1:500-1:5000; IHC:1:50-1:500; IF:1:30-1:200.

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Properties

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

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide

Antigen Species: Human

Gene ID: 58

Uniprot ID: P68133

Biology Area: Tags & Cell Markers

Research Background

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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