

Anti-FLOT1 Antibody (8H444)

Product Details

Ig Type:	IgG2a
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	8H444
Purification:	Protein A purified

Applications

1. Western Blot

-Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, K562 whole cell lysate, 3T3 whole cell lysate, Jurkat whole cell lysate, Mouse brain tissue

-All lanes: FLOT1 antibody at 1:1000

-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution

-Predicted band size: 48, 43 kDa

-Observed band size: 48 kDa

-Exposure time: 5min

2. IHC image of TMAH-00442 diluted at 1:100 and staining in paraffin-embedded human lung cancer tissue performed on a Leica BondTM 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. IHC image of TMAH-00442 diluted at 1:100 and staining in paraffin-embedded human cervical cancer tissue performed on a Leica BondTM 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.

4. Immunofluorescence staining of Hela cells with TMAH-00442 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

5. Overlay Peak curve showing Hela cells stained with TMAH-00442 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶cells) used under the same conditions.

Acquisition of >10,000 events was performed.

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Application: ELISA,FCM,IF,IHC,WB

Properties

Purity: >95%

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: Recombinant Protein: FLOT1 Protein (149-427AA)

Antigen Species: Human

Gene ID: 10211

Uniprot ID: O75955

Biology Area: Signal Transduction

Research Background

May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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