

Anti-FHOD1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 126 kDa. Actual: 126 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FHOD1 Polyclonal Antibody, Unconjugated (TMAB-06015) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Sample:

Hela (Human) Cell Lysate at 30 µg

293T (Human) Cell Lysate at 30 µg

Primary: Anti-FHOD1 (TMAB-06015) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 126 kD

Observed band size: 126 kD

3. Blank control: MCF7.

Primary Antibody (green line): Rabbit Anti-FHOD1 antibody (TMAB-06015)

Dilution: 2 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-AF488

Dilution: 1 µg /test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% 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.

4. Sample:

Muscle (Mouse) Lysate at 40 µg

Cerebrum (Rat) Lysate at 40 µg

Primary: Anti-FHOD1 (TMAB-06015) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 126 kD

Observed band size: 126 kD

Verified Activity:

A DRUG SCREENING EXPERT

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: 2µg/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 FHOD1

Antigen Species: Human

Gene ID: 29109

Uniprot ID: Q9Y613

Research Background

The limb deformity (ld) locus influences normal limb development and gives rise to alternative mRNAs that can translate into a family of protein products known as formins. Formins play a crucial role in cytoskeletal reorganization by influencing actin filament assembly. The temporal genetic hierarchy influencing normal limb development can deregulate and mediate mammalian developmental syndromes. FHOD1 induces the formation of and associates with bundled actin stress fibers in response to the activity of the Rho-ROCK cascade. It influences several cellular activities including cell migration, cytoskeletal arrangement, signal transduction and gene expression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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