

Anti-MESDC2 Antibody (5E452)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5E452
Purification:	Protein A

Applications

1. Anti-MESDC2 rabbit monoclonal antibody at 1:500 dilution.

-Lane A: HEK293 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

-Secondary

-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

-Predicted band size:26 kDa.

-Observed band size:26 kDa.

2. MESDC2 was immunoprecipitated using:

-Lane A:0.5 mg 293T Whole Cell Lysate.

-Lane B:0.5 mg Hela Whole Cell Lysate.

-Lane C:0.5 mg NIH-3T3 Whole Cell Lysate.

Verified Activity: -2 µL anti-MESDC2 rabbit monoclonal antibody and 15 µL of 50 % Protein G agarose.

-Primary antibody:

-Anti-MESDC2 rabbit monoclonal antibody, at 1:500 dilution.

-Secondary antibody:

-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.

-Developed using the odyssey technique.

-Performed under reducing conditions.

-Predicted band size: 26 kDa.

-Observed band size: 26 kDa.

3. Immunofluorescence staining of Mesdc2 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human Mesdc2 monoclonal antibody (dilution ratio 1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.

Application: ELISA, ICC/IF, IP, WB

A DRUG SCREENING EXPERT

Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000; ICC-IF: 1:20-1:100; IP: 1-4 µL/mg of lysate

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. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human MESDC2 protein (TMPY-01451)

Antigen Species: Human

Synonyms: MESD;mesoderm development candidate 2;BOCA

Research Background

MESD (Mesoderm Development LRP Chaperone) is a Protein Coding gene. LDLR chaperone MESD, also known as Mesoderm development protein, Mesoderm development candidate 2, Renal carcinoma antigen NY-REN-61, and MESDC2, is a member of the MESD family. It is widely expressed in the thyroid, placenta, and other tissues. MESDC2 is a chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). The LDLR maturation activity resides in the N- and C-terminal unstructured regions. MESDC2 acts as a modulator of the Wnt pathway since some LDLRs are coreceptors for the canonical Wnt pathway. MESDC2 is essential for the specification of embryonic polarity and mesoderm induction.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
