

## Recombinant MESDC2 Monoclonal Antibody

catalog number: **AN300356P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

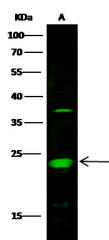
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human MESDC2 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	B278
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

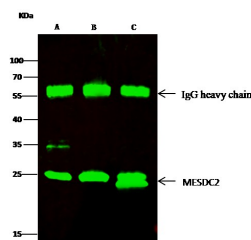
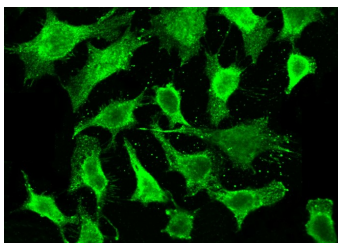
<b>WB</b>	1:500-1:2000
<b>ICC/IF</b>	1:20-1:100
<b>IP</b>	1-4 µL/mg of lysate

### Data



Western Blot with MESDC2 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: HEK293 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW:26 kDa**  
**Calculated-MW:26 kDa**



Immunoprecipitation analysis using 2 µL anti-MESDC2 Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using MESDC2 Monoclonal Antibody at a dilution of 1:500.

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

**Observed-MW:26 kDa**  
**Calculated-MW:26 kDa**

### For Research Use Only

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Rev. V1.1

Immunofluorescence analysis 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.

## Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

## Background

Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction. Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4 (By similarity). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE cells (By similarity).

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