

Anti-MID1IP1 Antibody (2E149)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2E149
Purification:	Protein A

Applications

Verified Activity:	<p>1. Anti-MID1IP1 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: HepG2 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. <p>-Predicted band size:20 kDa.</p> <p>-Observed band size:20 kDa.</p> <p>2. Immunofluorescence staining of MID1IP1 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 MID1IP1 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 Cytoskeleton.</p>
Application:	ICC/IF,WB
Recommended	WB: 1:500-1:1000; ICC-IF: 1:20-1:100

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 MID1IP1 Protein (TMPY-03495)
Antigen Species:	Human
Synonyms:	S14R;G12-like;MID1 interacting protein 1;STRAIT11499;THRSPL;MIG12

Research Background

MID1IP1 (MID1 Interacting Protein 1) is a Protein Coding gene. The encoded protein belongs to the SPOT14 family. It is a homodimer in the absence of THRSP. MID1IP1 interacts with ACACA and ACACB. Its interaction with THRSP interferes with ACACA binding. It up-regulates ACACA enzyme activity and plays a role in the regulation of lipogenesis in the liver. MID1IP1 is required for efficient lipid biosynthesis, including triacylglycerol, diacylglycerol, and phospholipid. MID1IP1 is involved in the stabilization of microtubules. It is widely expressed in bone marrow,

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fat, and other tissues. Diseases associated with MID1P1 include Gluten Allergy and Scoliosis. Among its related pathways are the Import of palmitoyl-CoA into the mitochondrial matrix and Metabolism.

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