

Recombinant ERP72/PDIA4 Monoclonal Antibody

catalog number: **AN300439P**

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

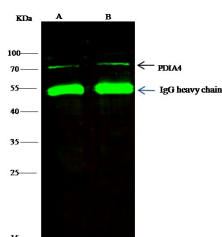
Description

Reactivity	Human
Immunogen	Recombinant Human ERP72/PDIA4 Protein
Host	Rabbit
Isotype	IgG
Clone	5B7
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

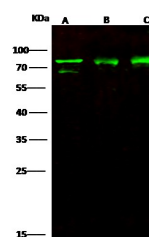
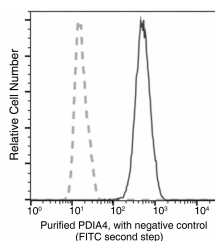
WB	1:500-1:2000
ICC/IF	1:20-1:100
FCM	1:25-1:100
IP	1-4 µL/mg of lysate

Data



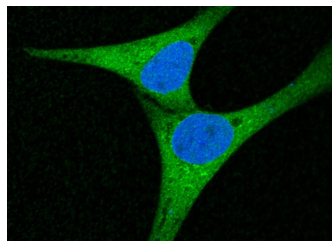
Immunoprecipitation analysis using 2 µL anti-PDIA4 Monoclonal Antibody and 60 µg of Immunomagnetic beads Protein G. Western blot was performed from the immunoprecipitate using PDIA4 Monoclonal Antibody at a dilution of 1:100. Lane A: 0.5 mg Hela Whole Cell Lysate, Lane B: 0.5 mg MCF-7 Whole Cell Lysate

Observed-MW: 73 kDa
Calculated-MW: 73 kDa



Western Blot with PDIA4 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: A431 Whole Cell Lysate, Lane B: NIH-3T3 Whole Cell Lysate, Lane C: 293T Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 73 kDa
Calculated-MW: 73 kDa



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Rev. V1.0

Flow cytometric analysis of Human PDIA4 expression on HepG2 cells. The cells were treated according to manufacturer's manual, stained with purified anti-Human PDIA4, t

Immunofluorescence analysis of PDIA4 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 PDIA4 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) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.

Preparation & Storage

Storage

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.

Shipping

Ice bag

Background

This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, three catalytically active thioredoxin (TRX) domains, two TRX-like domains and a C-terminal ER-retention sequence. This protein, when bound to cyclophilin B, enhances the rate of immunoglobulin G intermolecular disulfide bonding and antibody assembly.

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