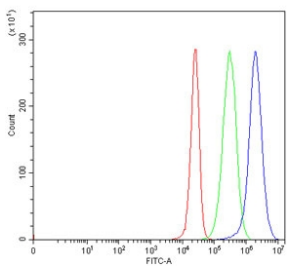
PDIA2 Antibody / Protein disulfide-isomerase A2 / PDIp (RQ7241)

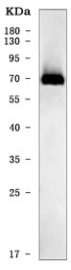
Catalog No.	Formulation	Size
RQ7241	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13087
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PDIA2 antibody is available for research use only.



Flow cytometry testing of human 293T cells with PDIA2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PDIA2 antibody.



Western blot testing of human PCP tissue with PDIA2 antibody. Expected molecular weight: 58-70 kDa depending on level of glycosylation.

Description

Protein disulfide isomerase family A member 2 is a protein that in humans is encoded by the PDIA2 gene. 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, two catalytically active thioredoxin (TRX) domains, two TRX-like domains and a C-terminal ER-retention sequence. The protein plays a role in the folding of nascent proteins in the endoplasmic reticulum by forming disulfide bonds through its thiol isomerase, oxidase, and reductase activity. The encoded protein also possesses estradiol-binding activity and can modulate intracellular estradiol levels.

Application Notes

Optimal dilution of the PDIA2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Y117-D492) was used as the immunogen for the PDIA2 antibody.

Storage

After reconstitution, the PDIA2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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