ARG42762
anti-PDIA2 / PDIP antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDIA2 / PDIP
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDIA2 / PDIP
Species	Human
Immunogen	Synthetic peptide derived from Human PDIA2 / PDIP.
Conjugation	Un-conjugated
Alternate Names	PDA2; Pancreas-specific protein disulfide isomerase; PDIR; PDIP; PDI; Protein disulfide-isomerase A2; PDIp; EC 5.3.4.1

Application Instructions

Application table

Application	Dilution
FACS	1:50
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa
Observed Size	~ 70 kDa

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PDIA2
Gene Full Name	protein disulfide isomerase family A, member 2
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, 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. [provided by RefSeq, Sep 2017]
Function	Acts as an intracellular estrogen-binding protein. May be involved in modulating cellular levels and biological functions of estrogens in the pancreas. May act as a chaperone that inhibits aggregation of misfolded proteins. [UniProt]
Calculated Mw	58 kDa
PTM	The disulfide-linked homodimer exhibits an enhanced chaperone activity. Glycosylated. [UniProt]
Cellular Localization	Endoplasmic reticulum lumen. [UniProt]

Images

ARG42762 anti-PDIA2 / PDIP antibody WB image

Western blot: HeLa cell lysate stained with ARG42762 anti-PDIA2 / PDIP antibody.