

## ARG22292 anti-PDI antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PDI
Tested Reactivity	Hu, Ms, Rat, Bov, Dog, Gpig, Hm, Mk, Pig, Sheep, Xenopus laevis
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	Detects ~58kDa.
Host	Rabbit
Clonality	Polyclonal
Target Name	PDI
Species	Rat
Immunogen	KLH-conjugated synthetic peptide from Rat PDI
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
	ICC/IF	1:100
	IHC-P	1:100
	IP	Assay-dependent
	WB	1:1000

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
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

### Database links

[GeneID: 64714 Human](#)

[GeneID: 69191 Mouse](#)

[Swiss-port # D3Z6P0 Mouse](#)

[Swiss-port # Q13087 Human](#)

### Gene Symbol

Pdia2

### Gene Full Name

protein disulfide isomerase family A, member 2

### Background

Protein disulfide isomerases (EC 5.3.4.1), such as PDIP, are endoplasmic reticulum (ER) resident proteins that catalyze protein folding and thiol-disulfide interchange reactions (Desilva et al., 1996 [PubMed 8561901]).[supplied by OMIM, Mar 2008]

### 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

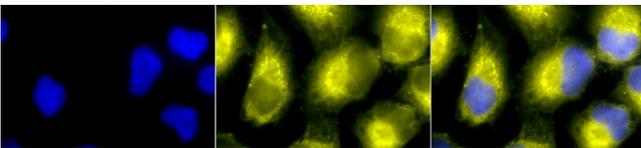
### PTM

The disulfide-linked homodimer exhibits an enhanced chaperone activity. Glycosylated.

### Cellular Localization

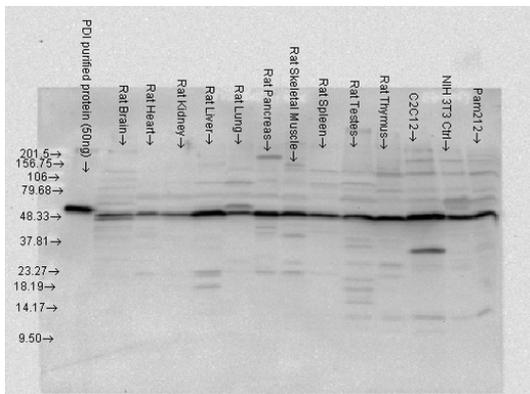
Endoplasmic Reticulum, Endoplasmic reticulum lumen

## Images



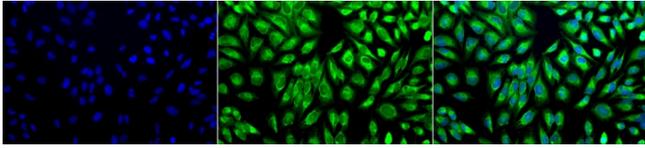
ARG22292 anti-PDI antibody ICC/IF image

Immunocytochemistry: 2% Formaldehyde (20 min at RT) fixed HeLa cells stained with ARG22292 anti-PDI antibody (yellow) at 1:100 dilution (12 hours at 4°C). Counterstain: DAPI (blue) nuclear stain at 1:40000 for 120 min at RT. Magnification: 100x. Left: DAPI (blue) nuclear stain, Middle: Primary antibody, Right: Composite.



ARG22292 anti-PDI antibody WB image

Western blot: 50 ng of PDI purified protein and 15 µg of Rat tissue/cell lysates stained with ARG22292 anti-PDI antibody at 1:4000 dilution.



#### ARG22292 anti-PDI antibody ICC/IF image

Immunocytochemistry: 2% Formaldehyde (20 min at RT) fixed HeLa cells stained with ARG22292 anti-PDI antibody (green) at 1:100 dilution (12 hours at 4°C). Counterstain: DAPI (blue) nuclear stain at 1:40000 for 120 min at RT. Magnification: 20x. Left: DAPI (blue) nuclear stain, Middle: Primary antibody, Right: Composite.

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