



# Rabbit Anti-PDI monoclonal antibody, clone KG08-19 (CABT-L888)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Target</b>	PDI
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Clone</b>	KG08-19
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, FC
<b>Molecular Weight</b>	58 kDa
<b>Cellular Localization</b>	Endoplasmic reticulum, Endoplasmic reticulum lumen, Melanosome, Cell membrane.
<b>Positive Control</b>	NIH/3T3, human liver tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide

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<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	Oxidoreductase-protein disulfide isomerase (PDI) is a homodimer consisting of subunits that catalyzes thiol-disulfide exchange, mediates folding of newly synthesized proteins and functions as a molecular chaperone. PDI localizes to the lumen of the endoplasmic reticulum (ER), where in conjunction with folding-helper proteins, such as immunoglobulin heavy chain binding protein (BiP), mediates tertiary and quaternary protein-processing. Cell surface PDI induces sulfhydryl-mediated conformational changes in integrin-mediated adhesion receptor-ligand interactions, thereby regulating integrin responses and cell adhesion. Additionally, PDI functions as a subunit of two more complex enzyme systems: the prolyl-4-hydroxylase and the triacylglycerol transfer proteins.
<b>Keywords</b>	Pancreas specific protein disulfide isomerase;Pancreas-specific protein disulfide isomerase;Pancreatic protein disulfide isomerase;PDA2;PDI;PDIA2;PDIA2_HUMAN;PDIP;PDIR;Protein disulfide isomerase A2;Protein disulfide isomerase;Protein disulfide isomerase associated 2;Protein disulfide isomerase family A member 2;Protein disulfide isomerase pancreatic;Protein disulfide-isomerase A2;Rho GDP dissociation inhibitor gamma antibody

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