



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

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

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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.

Keywords

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
