

Datasheet for ABIN2854699
anti-PDIA3 antibody (C-Term)



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9 Images

Overview

Quantity:	100 µL
Target:	PDIA3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDIA3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human ERp57. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to ERp57 (protein disulfide isomerase family A, member 3) ERp57 antibody [C3], C-term
Purification:	Affinity purified by Protein A.

Target Details

Target:	PDIA3
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Target Details

Alternative Name:	protein disulfide isomerase family A member 3 (PDIA3 Products)
Background:	<p>This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase, however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.</p> <p>Cellular Localization: Endoplasmic reticulum lumen (By similarity) , Melanosome</p>
Molecular Weight:	57 kDa
Gene ID:	2923
UniProt:	P30101
Pathways:	Maintenance of Protein Location , Protein targeting to Nucleus , Cell RedoxHomeostasis

Application Details

Application Notes:	WB: 1:1000-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: NIH-3T3 , JC , BCL-1 , H1299 , HeLa , HepG2 Validation: Comparison
Restrictions:	For Research Use only

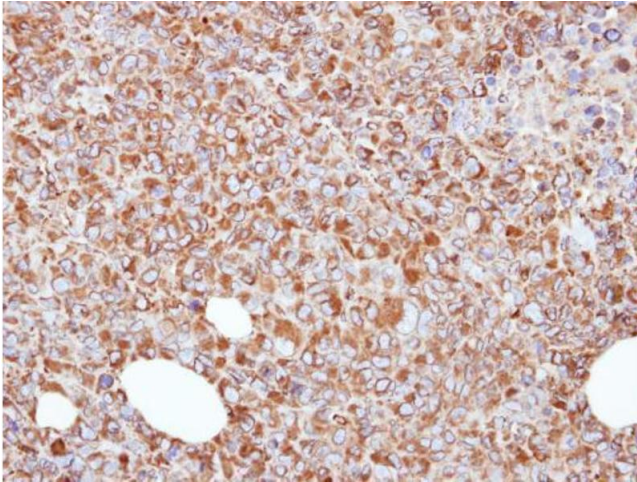
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

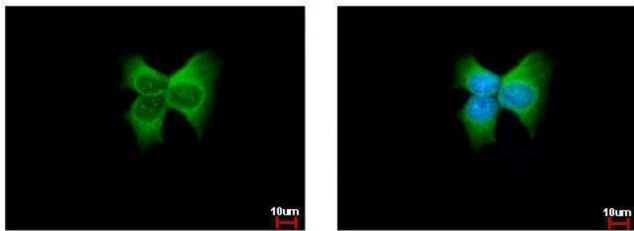
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104252 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



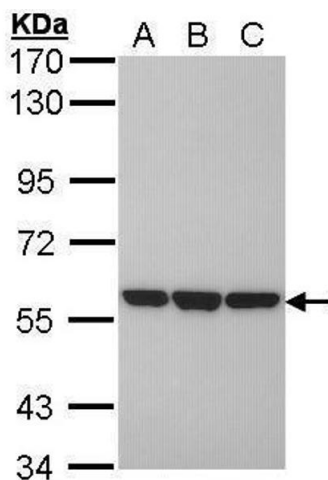
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded H1299 xenograft, using ERp57, antibody at 1:500 dilution.



Immunofluorescence

Image 2. ICC/IF Image ERp57 antibody [C3], C-term detects PDIA3 protein at cytoplasm by immunofluorescent analysis. Sample: MCF-7 cells were fixed in ice-cold MeOH for 5 min. Green: PDIA3 protein stained by ERp57 antibody [C3], C-term, diluted at 1:500. Blue: Hoechst 33342 staining.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: H1299 B: HeLa C: Hep G2, 7.5% SDS PAGE antibody diluted at 1:10000

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN2854699.