

**AP17626PU-N****Polyclonal Antibody to PDIA3 (Center) - Purified**

<b>Alternate names:</b>	Disulfide isomerase ER-60, ER marker, ERP57, ERP60, GRP58, Protein Disulfide Isomerase, Protein disulfide-isomerase A3
<b>Quantity:</b>	0.4 ml
<b>Concentration:</b>	lot specific
<b>Background:</b>	PDIA3 is 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.
<b>Uniprot ID:</b>	<a href="#">P30101</a>
<b>NCBI:</b>	<a href="#">NP_005304</a>
<b>GeneID:</b>	<a href="#">2923</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	KLH conjugated synthetic peptide selected from the Center region of human PDIA3
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS <b>Buffer System:</b> PBS with 0.09% (W/V) sodium
<b>Applications:</b>	ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to PDIA3. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Vigneron, N., et al., Eur. J. Immunol. 39 (9), 2371-2376 (2009) 2. Xu, D., et al., Am. J. Physiol. Lung Cell Mol. Physiol. 297 (1), L44-L51 (2009)

**Pictures:**

(LEFT) Western blot analysis of PDIA3 Antibody (Center) (AP17626PU-N) in A2058, A375, Ramos cell line lysates (35ug/lane). PDIA3 (arrow) was detected using the purified Pab.(2ug/ml) (LEFT) Western blot analysis of PDIA3 (arrow) using rabbit polyclonal PDIA3 Antibody (Center) (AP17626PU-N). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDIA3 gene (Lane 2) .

