

Goat anti-PDIA2 / PDIP Antibody

Item Number	dAP-1057
Target Molecule	Principle Name: PDIA2 / PDIP; Official Symbol: PDIA2; All Names and Symbols: PDIA2; PDIP; protein disulfide isomerase family A, member 2 ; LA16c-314G4.2; PDA2; PDI; PDIR ; Rho GDP dissociation inhibitor gamma; pancreatic protein disulfide isomerase; protein disulfide isomerase, pancreatic; protein disulfide isomerase-associated 2; Accession Number (s): NP_006840.2; Human Gene ID(s): 64714; Non-Human GenelD(s): 69191 (mouse)
Immunogen	NLETTKKYAPVD, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 60kDa band observed in Human Pancreas lysates (calculated MW of 58.2kDa according to NP_006840.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Small Intestine and Heart. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Uehara T, Nakamura T, Yao D, Shi ZQ, Gu Z, Ma Y, Masliah E, Nomura Y, Lipton SA. S-nitrosylated protein-disulphide isomerase links protein misfolding to neurodegeneration. <i>Nature</i> . 2006 May 25;441(7092):513-7. .PMID: 16724068 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**