

Goat anti-PDIA2 (aa477-481) Antibody

Item Number	dAP-2419
Target Molecule	Principle Name: PDIA2 (aa477-481); Official Symbol: PDIA2; All Names and Symbols: PDIA2; protein disulfide isomerase family A, member 2; LA16c-314G4.2; PDA2; PDI; PDIP; PDIR; OTTHUMP0000067350; OTTHUMP00000197166; Rho GDP dissociation inhibitor gamma; pancreas-specific protein disulfide isomerase; pancreatic protein disulfide isomeras; Accession Number (s): NP_006840.2; Human Gene ID(s): 64714; Non-Human GeneID(s): 69191 (mouse) 287164 (rat)
Immunogen	EYKSTRDLETSK, is from internal region (near C Terminus)
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
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 65kDa band observed in Human, Mouse and Rat Pancreas lysates (calculated MW of 58.2kDa according to NP_006840.2). Recommended concentration: 0.01-0.03µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Pancreas shows ER staining in the beta cells of Islets of Langerhans. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Honjo Y, Ito H, Horibe T, Takahashi R, Kawakami K. Protein disulfide isomerase-immunopositive inclusions in patients with Alzheimer disease. <i>Brain Res.</i> 2010 Aug 19;1349:90-6. PMID: 20550946->

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**