

## Goat anti-IA2 Antibody

<b>Item Number</b>	dAP-1555
<b>Target Molecule</b>	Principle Name: IA2; Official Symbol: PTPRN; All Names and Symbols: IA-2 ; protein tyrosine phosphatase, receptor type, N ; FLJ16131 ; IA-2/PTP; IA2 ; ICA512 ; R-PTP-N; islet antigen 2 ; islet cell antigen 512 ; islet cell autoantigen 3 ; protein tyrosine phosphatase-like N; Accession Number (s): NP_002837.1; Human Gene ID(s): 5798; Non-Human GeneID(s): 19275 (mouse) 116660 (rat)
<b>Immunogen</b>	QGEKNIKRNHPD, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 110kDa band observed in lysates of cell line NIH 3T3 (calculated MW of 106kDa according to Human NP_002837.1 and Mouse NP_033011.2). Recommended concentration: 0.5-1.5µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Buzzetti R, Di Pietro S, Giaccari A, Petrone A, Locatelli M, Suraci C, Capizzi M, Arpi ML, Bazzigaluppi E, Dotta F, Bosi E; Non Insulin Requiring Autoimmune Diabetes Study Group. High titer of autoantibodies to GAD identifies a specific phenotype of adult-onset autoimmune diabetes. Diabetes Care.

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 ender users! This product is sold for **Research Use Only**