

## Goat anti-GAD2 / GAD65 Antibody

<b>Item Number</b>	dAP-0630
<b>Target Molecule</b>	Principle Name: GAD2 / GAD65; Official Symbol: GAD2; All Names and Symbols: GAD2; GAD65; glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa); Glutamate decarboxylase-2 (pancreas); glutamate decarboxylase 2 (pancreatic islets and brain, 65kD); RP11-420F12.2; MGC161605; MGC161607; Glutamate decarboxylase-2 (pancreas); gl; Accession Number (s): NP_000809.1; NP_001127838.1; Human Gene ID(s): 2572; Non-Human GeneID(s):
<b>Immunogen</b>	TLEDNEERMSRLSK, is from internal region This antibody is expected to recognise both reported variants.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<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 65kDa band observed in Human Brain (Cerebral Cortex, Cerebellum and Hippocampus) lysates (calculated MW of 65.4kDa according to NP_000809.1). Recommended concentration: 0.3-1µg/ml. An additional band of unknown identity was also cons
<b>IHC</b>	
<b>Reference</b>	Reference(s): Meyre D, Boutin P, Tounian A, Deweirder M, Aout M, Jouret B, Heude B, Weill J, Tauber M, Tounian P, Froguel P. Is Glutamate Decarboxylase 2 (GAD2) a genetic link between low birth weight and subsequent development of obesity in children? J Clin Endocrinol Metab. 2005 Jan 25; [Epub ahead of

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**