



Goat anti-PRODH (aa112-134) Antibody

Item Number	dAP-2538
Target Molecule	Principle Name: PRODH (aa112-134); Official Symbol: PRODH; All Names and Symbols: PRODH; proline dehydrogenase (oxidase) 1; FLJ33744; HSPGX2; MGC148078; MGC148079; PIG6; POX; PRODH1; PRODH2; SCZD4; TP53I6; OTTHUMP00000196496; OTTHUMP00000196497; p53-induced gene 6 protein; proline dehydrogenase, mitochondrial; proline oxidase 2; prolin; Accession Number (s): NP_057419.4; NP_001182155.1; Human Gene ID(s): 5625; Non-Human GeneID(s):
Immunogen	EDQESIQPLLRHYR, is from internal region This antibody is expected to recognize both reported isoforms (NP_057419.4; NP_001182155.1).
Applications	Pep ELISA, WB 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 16000.
Western Blot	Western Blot: Approx75+55kDa bands observed in Human Brain (Cerebellum and Substantia nigra) lysates (calculated MW of 68.0kDa according to NP_057419.4 and of 56.2kDa according to NP_001182155.1). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Li T, Ma X, Hu X, Wang Y, Yan C, Meng H, Liu X, Touloupoulou T, Murray RM, Collier DA. PRODH gene is associated with executive function in schizophrenic families. Am J Med Genet B Neuropsychiatr Genet. 2008 Jul 5;147B(5):654-7..PMID: 18163391->

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**