

Goat anti-DBH (aa437-448) Antibody

Item Number	dAP-2601
Target Molecule	Principle Name: DBH (aa437-448); Official Symbol: DBH; All Names and Symbols: DBH; dopamine beta-hydroxylase (dopamine beta-monooxygenase); DBM; dopamine beta-hydroxylase; Accession Number (s): NP_000778.3; Human Gene ID(s): 1621; Non-Human GeneID(s): 13166 (mouse) 25699 (rat)
Immunogen	DNHYSPHFQEIR, 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 128000.
Western Blot	Western Blot: Approx 70kDa band observed in lysates of cell line Jurkat (calculated MW of 69.1kDa according to NP_000778.3). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat Brain f
IHC	Immunohistochemistry: Paraffin embedded Human Adrenal Gland. Recommended concentration: 5µg/ml.
Reference	Reference(s): Kim CH, Leung A, Huh YH, Yang E, Kim DJ, Leblanc P, Ryu H, Kim K, Kim DW, Garland EM, Raj SR, Biaggioni I, Robertson D, Kim KS. Norepinephrine deficiency is caused by combined abnormal mRNA processing and defective protein trafficking of dopamine beta-hydroxylase. J Biol Chem. 2011 Mar

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**