Goat anti-PDE1A Antibody

Item Number	dAP-2029

Target Molecule
Principle Name: PDE1A; Official Symbol: PDE1A; All Names and Symbols: PDE1A; phosphodiesterase 1A, calmodulin-dependent; HCAM1; HSPDE1A; MGC26303; 3',5' cyclic nucleotide phosphodiesterase; calcium/calmodulin-stimulated cyclic nucleotide phosphodiesterase; calmodulin-dependent phosphodiesterase; phosphodiesterase-1A; Accession Number (s): NP_005010.2; Human Gene ID(s): 5136; Non-Human GeneID(s): 18573 (mouse) 81529 (rat)

Immunogen
DLHKNSEDLVNAE, is from C Terminus
This antibody is expected to recognize isoform 1 (NP_005010.2) only.

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; Reconsititute 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 55kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 62.3kDa according to NP_005010.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

IHC
Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 3.75µg/ml.

Reference
Reference(s): Cabanero M, Laje G, Detera-Wadleigh S, McMahon FJ, Association study of phosphodiesterase genes in the Sequenced Treatment Alternatives to Relieve Depression sample. Pharmacogenetics and genomics 2009 Mar 19 (3): 235-8..PMID: 19214142->

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