

Goat anti-Phosphodiesterase 4B Antibody

Item Number	dAP-0778
Target Molecule	Principle Name: Phosphodiesterase 4B; Official Symbol: PDE4B; All Names and Symbols: PDE4B; phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila); RP5-876C12.1; DKFZp686F2182; DPDE4; MGC126529; PDEIVB ; OTTHUMP0000046896; cAMP-specific 3',5'-cyclic phosphodiesterase 4B; dunce-like phosphodiesterase E4; phos; Accession Number (s): NP_002591.2; NP_001032418.1; NP_001032416.1; NP_001032417.1; Human Gene ID(s): 5142; Non-Human GeneID(s):
Immunogen	DIDIATEDKSPVDT, is from C Terminus This antibody is expected to recognise all reported isoforms (NP_002591.2, NP_001032418.1, NP_001032416.1 and NP_001032417.1).
Applications	Pep ELISA, WB, IHC Species Tested: Mouse, 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 8000.
Western Blot	Western Blot: Approx 85kDa band observed in Mouse Brain lysates (calculated MW of 83.3kDa according to Human NP_002591.2 and 82.1kDa according to Mouse NP_062814.2). In transfected HEK293 transiently expressing Human PDE4B a band of approx. 85kDa is observed.
IHC	Immunohistochemistry: Paraffin embedded Human Prostate. Recommended concentration: 5µg/ml.
Reference	Reference(s): Millar JK, Pickard BS, Mackie S, James R, Christie S, Buchanan SR, Malloy MP, Chubb JE, Huston E, Baillie GS, Thomson PA, Hill EV, Brandon NJ, Rain JC, Camargo LM, Whiting PJ, Houslay MD, Blackwood DH, Muir WJ, Porteous DJ. DISC1 and PDE4B are interacting genetic factors in schizophrenia

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**