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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07117 - Goat Anti-Phosphodiesterase 4B Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PDE4B, phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila), RP5-876C12.1, DKFZp686F2182, DPDE4, MGC126529, PDEIVB, OTTHUMP00000046896, cAMP-specific 3\1,5\1-cyclic phosphodiesterase 4B, dunce-like phosphodiesterase E4, phosphodiesterase 4B, cAMP-specific, phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E4)

Official Symbol: PDE4B

Accession Number(s): NP_002591.2; NP_001032418.1; NP_001032416.1; NP_001032417.1

Human GenelD(s): [5142](#)

Important Comments: This antibody is expected to recognise all reported isoforms (NP_002591.2, NP_001032418.1, NP_001032416.1 and NP_001032417.1).

Immunogen

Peptide with sequence C-DIDIATEDKSPVDT, from the C Terminus of the protein sequence according to NP_002591.2; NP_001032418.1; NP_001032416.1; NP_001032417.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

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. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.5-1.0 µg/ml.

IHC: Paraffin embedded Human Prostate. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Mouse, Human

Expected from sequence similarity: Human, Mouse, Rat

EB07117 (0.5µg/ml) staining of Mouse Brain Lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

HEK293 overexpressing Human PDE4B (RC211956) and probed with EB07117 (mock transfection in first lane), tested by Origene.

EB07117 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.