

#### **International Office**

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# EB05003 - Goat Anti-PDE4B Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** PDE4B, phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila), DPDE4, PDEIVB, Phosphodiesterase-4B, cAMP-specific (dunce (Drosophila)-homolog, phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E4)

Official Symbol: PDE4B

Accession Number(s): NP\_002591.2; NP\_001032416.1; NP\_001032417.1

Human GeneID(s): 5142

Non-Human GenelD(s): 18578 (mouse)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP\_002591.2; NP\_001032416.1; NP\_001032417.1).

## **Immunogen**

Peptide with sequence C-IDIATEDKSPVDT, from the C Terminus of the protein sequence according to NP\_002591.2; 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 1:32000.

**Western blot:** Approx 98kDa band observed in Human Uterus lysates (calculated MW of 83.3kDa according to NP\_002591.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Méhats et al, Endocrinology. 1999 Jul;140(7):3228-37. PMID: 10385419). Recommended concentration: 1-3µg/ml.

## **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human, Mouse,

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB05003 2 $\mu$ g/ml) staining of Human Uterus lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.