

## UK Office

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

## EB05003 - Goat Anti-PDE4B Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PDE4B, phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 duncce 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 GeneID(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,



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.