



## UK Office

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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, OTTHUMP0000046896, 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.

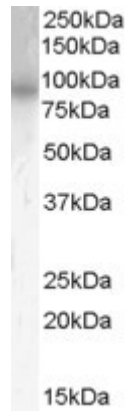
**Western blot:** Approx 85kDa band observed in Mouse Brain lysates (calculated MW of 83.3kDa according to Human NP\_002591.2 and 82.1kDa according to Mouse NP\_062814.2). In transfected HEK293 transiently expressing Human PDE4B a band of approx. 85kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.5-1.0 µg/ml.

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

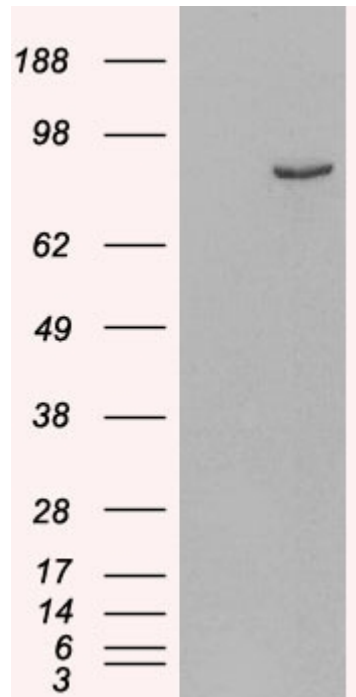
### Species Reactivity

**Tested:** Mouse, Human

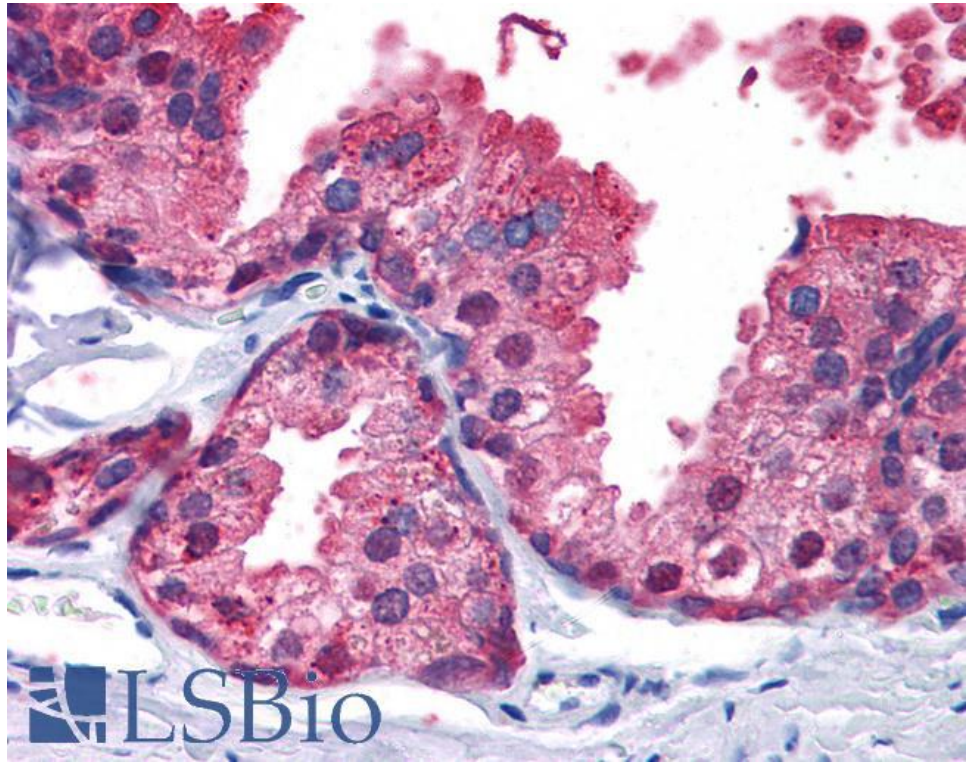
**Expected from sequence similarity:** Human, Mouse, Rat



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.