

**Anti-Human/Mouse/Rat PDE4B/C/D Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA05534**

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3th Edition

**Description:**PDE4B (Phosphodiesterase 4B) is a Protein Coding gene. Diseases associated with PDE4B include Ocular Hypotension and Acrodysostosis. Among its related pathways are GABAergic synapse and Sweet Taste Signaling. GO annotations related to this gene include ion channel binding and cAMP binding. An important paralog of this gene is PDE4D. PDE4C (Phosphodiesterase 4C) is a Protein Coding gene. Diseases associated with PDE4C include Ocular Hypotension. Among its related pathways are GABAergic synapse and Sweet Taste Signaling. GO annotations related to this gene include 3,5-cyclic-nucleotide phosphodiesterase activity and 3,5-cyclic-AMP phosphodiesterase activity. An important paralog of this gene is PDE4D. PDE4D (Phosphodiesterase 4D) is a Protein Coding gene. Diseases associated with PDE4D include Acrodysostosis 2, With Or Without Hormone Resistance and Acrodysostosis With Multiple Hormone Resistance. Among its related pathways are GABAergic synapse and Sweet Taste Signaling. GO annotations related to this gene include enzyme binding and protein domain specific binding. An important paralog of this gene is PDE4B.

**Antigen:**Synthesized peptide derived from human PDE4B/C/D around the non-phosphorylation site of S133/119/190.

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**PDE4B is Expressed in brain, heart, lung and skeletal muscle.PDE4C isExpressed in various tissues but not in cells of the immune system.PDE4D is Expressed in colonic epithelial cells (at protein level). Widespread; most abundant in skeletal muscle. Isoform 6 is detected in brain. Isoform 8 is detected in brain, placenta, lung and kidney. Isoform 7 is detected in heart and skeletal muscle.