

**AP00418PU-N****Polyclonal Antibody to Phosphodiesterase 7B (PDE7B) (N-term) - Aff - Purified**

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|-------------------------|---|
| <b>Alternate names:</b> | BA472E5.1, EC 3.1.4.17, MGC88256, cAMP-SPECIFIC PHOSPHODIESTERASE 7B, pde7b   |
| <b>Quantity:</b>        | 50 µg   |
| <b>Concentration:</b>   | 1 mg/ml   |
| <b>Background:</b>      | Phosphodiesterase 7B, a cAMP-specific phosphodiesterase, has been shown to affect cAMP-mediated neural activity and cAMP metabolism in the brain. PDE7B activity is inhibited by dipyridamole, IBMX, and SCH51866. At least three splice variants have been isolated for PDE7B from rats and they show tissue specific expression patterns. |
| <b>Host:</b>            | Rabbit  |
| <b>Immunogen:</b>       | Synthetic peptide near N-terminus of human PDE7B - KLH conjugated<br><b>Gene name:</b> PDE7B  |
| <b>Format:</b>          | <b>State:</b> Liquid<br><b>Purification:</b> Peptide immunogen affinity column.<br><b>Buffer System:</b> Phosphate buffered saline, PH 7.7 containing 0.01% sodium azide.   |
| <b>Applications:</b>    | <b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.   |
| <b>Specificity:</b>     | This antibody detects Phosphodiesterase 7B.<br>Mouse Identity: 88 %<br>Mouse Similarity: 94 %<br>Rat Identity: 71 %<br>Rat Similarity: 76 %<br><b>Species:</b> Human, Mouse.<br>Other species not tested.   |
| <b>Storage:</b>         | Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |

**Pictures:**

Immunohistochemistry Image: Pancreas,  
stained with AP00418PU-N

