



## PDE4B rabbit pAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-24684                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity         | Human;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Name          | PDE4B DPDE4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Name       | PDE4B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen          | Synthesized peptide derived from human PDE4B AA range: 103-153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity        | This antibody detects endogenous levels of PDE4B at Human/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purification       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dilution           | WB 1: 500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cell Pathway       | [Isoform PDE4B5]: Cytoplasm . Cell membrane .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tissue Specificity | Expressed in brain, heart, lung and skeletal muscle (PubMed:17519386).<br>Expressed in white blood cells (PubMed:8392015). ; [Isoform PDE4B5]:<br>Brain-specific isoform.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Function           | alternative products:Additional isoforms seem to exist,catalytic activity:Adenosine 3',5'-cyclic phosphate + H(2)O = adenosine 5'-phosphate.,enzyme regulation:Inhibited by rolipram.,function:May be involved in mediating central nervous system effects of therapeutic agents ranging from antidepressants to antiasthmatic and anti-inflammatory agents.,pathway:Purine metabolism; cAMP degradation; AMP from cAMP: step 1/1.,similarity:Belongs to the cyclic nucleotide phosphodiesterase family.,tissue specificity:Expressed in brain, heart, lung and skeletal muscle., |
| Background         | This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. The encoded protein regulates the                                                                                                                                                                                                                                                                                                                                                                                                                             |

Nanjing BYabscience technology Co.,Ltd



cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014],

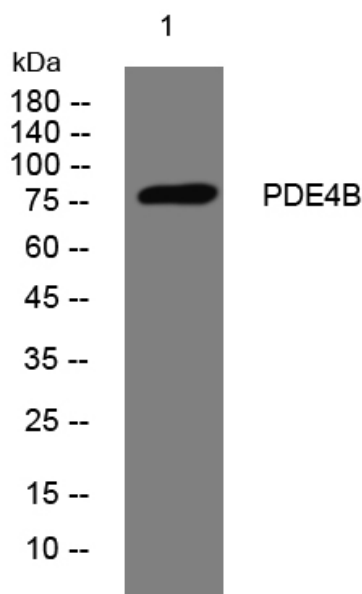
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4° over night