

## Product datasheet for **AP00656SU-N**

### **PDE4 (PDE4B) Rabbit Polyclonal Antibody**

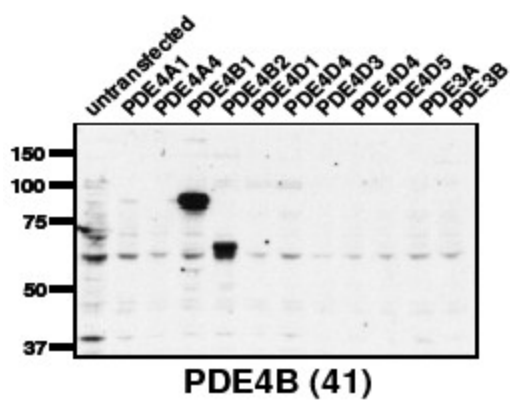
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, IP, WB
<b>Recommended Dilution:</b>	Western blot (1:20000). Immunohistochemistry. Immunoprecipitation.
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Designed from the C-terminal region common to all 4B isoforms
<b>Specificity:</b>	The antibody selectively detects proteins corresponding to members of the PDE4B sub-family.
<b>Formulation:</b>	State: Serum State: Liquid diluted serum
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	phosphodiesterase 4B
<b>Database Link:</b>	<a href="#">Entrez Gene 5142 Human Q07343</a>
<b>Background:</b>	Cyclic nucleotide phosphodiesterases (PDEs) catalyse the hydrolytic inactivation of the common intracellular second messengers cyclic adenosine and guanosine 3', 5'-monophosphate (cAMP and cGMP). Thus, these enzymes play a critical role in the regulation of a wide range of physiological processes modulated by cyclic nucleotide signalling. The PDE4 enzyme belongs to a family of cAMP-dependent PDEs that provide the major means of inactivating the key intracellular second messenger, cAMP. Four genes (4A, 4B, 4C, and 4D) encode around 20 distinct isoform members of the PDE4 family. Each isoform is characterized by a unique N-terminal region.
<b>Synonyms:</b>	PDE4B, DPDE4, cAMP-specific 3',5'-cyclic phosphodiesterase 4B, EC=3.1.4.17, PDE32



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## Product images:



Western blot using Scottish AP00656SU-N (1:2,000) against lysate from COS cells transfected with the indicated human PDE isoform.