

## Product datasheet for **AP53234PU-N**

### **PDE1B (C-term) Rabbit Polyclonal Antibody**

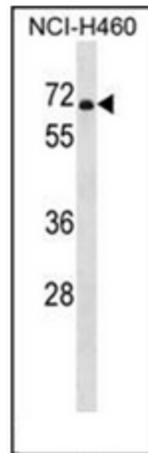
#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 466-495 amino acids from the C-terminal region of human PDE1B
Specificity:	This antibody recognizes Human PDE1B (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphodiesterase 1B
Database Link:	<a href="#">Entrez Gene 5153 Human Q01064</a>



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- Background:** Cyclic nucleotide phosphodiesterases (PDEs) catalyze hydrolysis of the cyclic nucleotides cAMP and cGMP to the corresponding nucleoside 5-prime-monophosphates. Mammalian PDEs have been classified into several families based on their biochemical properties. Members of the PDE1 family, such as PDE1B, are calmodulin (see MIM 114180)-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex (Repaske et al., 1992 [PubMed 1326532]).
- Synonyms:** Phosphodiesterase 1B, Phosphodiesterase-1B calmodulin-dependent, Cam-PDE 1B, PDE1B1, PDES1B
- Note:** **Molecular Weight:** 61380 Da
- Protein Families:** Druggable Genome
- Protein Pathways:** Calcium signaling pathway, Progesterone-mediated oocyte maturation, Purine metabolism

**Product images:**

Western blot analysis of PDE1B Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PDE1B antibody detected the PDE1B protein (arrow).