

PDE1A Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21735a

Product Information

Application	WB, E
Primary Accession	P54750
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53388
Calculated MW	61252

Additional Information

Gene ID	5136
Other Names	Calcium/calmodulin-dependent 3', 5'-cyclic nucleotide phosphodiesterase 1A, Cam-PDE 1A, 61 kDa Cam-PDE, hCam-1, PDE1A
Target/Specificity	This PDE1A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 23-57 amino acids from human PDE1A.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PDE1A Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PDE1A (HGNC:8774)
Function	Calcium/calmodulin-dependent cyclic nucleotide phosphodiesterase with a dual specificity for the second messengers cGMP and cAMP, which are key regulators of many important physiological processes. Has a higher efficiency with cGMP compared to cAMP.
Tissue Location	Several tissues, including brain, kidney, testes and heart

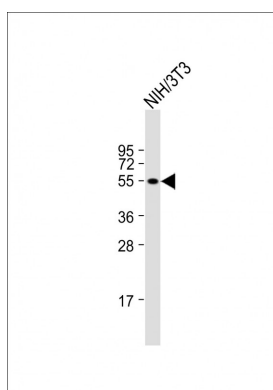
Background

Cyclic nucleotide phosphodiesterase with a dual- specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a higher affinity for cGMP than for cAMP.

References

Loughney K.,et al.J. Biol. Chem. 271:796-806(1996).
Michibata H.,et al.Biochim. Biophys. Acta 1517:278-287(2001).
Fidock M.D.,et al.Cell. Signal. 14:53-60(2002).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-PDE1A Antibody (N-Term) at 1:2000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.