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PDE1A Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21735a

Product Information

Application	WB, E
Primary Accession	P54750
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
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

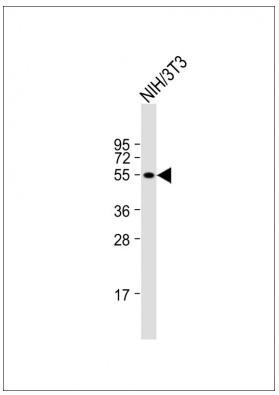
Background

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'.