

PDE1A Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3089a

Specification

PDE1A Antibody (C-Term) - Product Information

Application	WB, E
Primary Accession	P54750
Other Accession	NP_005010.2 , 5136 , 18573 (mouse) , 81529 (rat)
Reactivity	Human
Predicted	Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	61252

PDE1A Antibody (C-Term) - Additional Information

Gene ID 5136

Other Names

Calcium/calmodulin-dependent 3', 5'-cyclic nucleotide phosphodiesterase 1A, Cam-PDE 1A, 3.1.4.17, 61 kDa Cam-PDE, hCam-1, PDE1A

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PDE1A Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PDE1A Antibody (C-Term) - 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

PDE1A Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDE1A Antibody (C-Term) - Images

AF3089a (1 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PDE1A Antibody (C-Term) - Background

This antibody is expected to recognize isoform 1 (NP_005010.2) only.

PDE1A Antibody (C-Term) - References

Association study of phosphodiesterase genes in the Sequenced Treatment Alternatives to Relieve Depression sample. Cabanero M, Laje G, Detera-Wadleigh S, McMahon FJ, Pharmacogenetics and genomics 2009 Mar 19 (3): 235-8. PMID: 19214142