10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

PDE1A Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF3089a

Specification

PDE1A Antibody (C-Term) - Product Information

Application	**WB**
Primary Accession	P54750
Other Accession	NP_005010.2, 5136, 18573 (mouse), 81529 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Cow**
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

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

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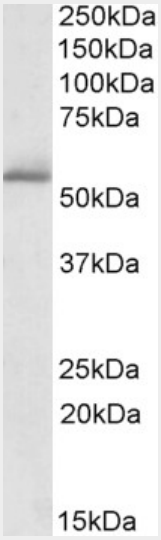
Several tissues, including brain, kidney, testes and heart

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 Cytomety
- 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