

Rabbit PDE1A Polyclonal Antibody | anti-PDE1A antibody

PDE1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327881	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDE1A; Polyclonal Antibody; PDE1A Antibody; 3' 5' cyclic nucleotide phosphodiesterase; 5"-cyclic nucleotide phosphodiesterase 1A; 61 kDa Cam PDE; 61 kDa Cam-PDE; Calcium/calmodulin dependent 3' 5' cyclic nucleotide phosphodiesterase 1A; Calcium/Calmodulin stimulated cyclic nucleotide phosphodiesterase; Calcium/calmodulin-dependent 3"; Calmodulin-dependent Phosphodiesterase; Cam PDE 1A; Cam-PDE 1A; CAM-PDE-1A; HCAM 1; hCam-1; HCAM1; HSPDE1A; MGC26303; PDE 1A; PDE1A_HUMAN; Phosphodiesterase 1A; Phosphodiesterase 1A calmodulin dependent; anti-PDE1A antibody

PRODUCT SPECIFICATIONS

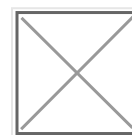
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE1A antibody detects endogenous levels of total PDE1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	535
Applicable Applications for anti-PDE1A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDE1A
Tissue Specificity	Several tissues, including brain, kidney, testes and heart.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Zebrafish (92%), Bovine (83%), Horse (100%), Sheep (83%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327881 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of PDE1A using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PDE1A antibody	Function: 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. Subunit Structure: Homodimer. Similarity: Belongs to the cyclic nucleotide phosphodiesterase family. PDE1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51102295
NCBI GeneID	5136
NCBI Accession #	NP_001003683.1
NCBI GenBank Nucleotide #	NM_001003683.2
UniProt Accession #	P54750; Q86VZ0; Q9C0K8; Q9C0K9; Q9C0L0; Q9C0L1; Q9C0L2; Q9C0L3; Q9C0L4; Q9UFX3; D3DPG5
Molecular Weight	Observed: 61 kDa Predicted: 62 kDa
NCBI Official Full Name	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A isoform 2
NCBI Official Synonym Full Names	phosphodiesterase 1A
NCBI Official Symbol	PDE1A
NCBI Official Synonym Symbols	HCAM1; HCAM-1; HSPDE1A; CAM-PDE 1A; CAM-PDE-1A
NCBI Protein Information	calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A
UniProt Protein Name	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A
UniProt Gene Name	PDE1A
UniProt Synonym Gene Names	Cam-PDE 1A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pde1a-antibody-immunohistochemistry-western-blot-elisa/327881>