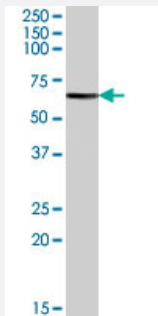


PDE11A polyclonal antibody

Catalog # PAB7327 Size 100 ug

Applications



Western Blot (Tissue lysate)

PDE11A polyclonal antibody (Cat # PAB7327) (1 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PDE11A.
Immunogen	A synthetic peptide corresponding to human PDE11A.
Sequence	C-NSFKESMEKSSYSD
Host	Goat
Theoretical MW (kDa)	105, 78.1, 65.7, 55.
Reactivity	Human
Specificity	This antibody is expected to recognize all four reported isoforms (NP_058649.3 , NP_001070665.1, NP_001070826.1, NP_001070664.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:2000) Western Blot (0.5-1.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDE11A

Entrez GeneID	50940
Protein Accession#	NP_058649.3 ; NP_001070665.1 ; NP_001070826.1 ; NP_001070664.1
Gene Name	PDE11A
Gene Alias	FLJ23693, MGC133355, MGC133356, PPNAD2
Gene Description	phosphodiesterase 11A
Omim ID	604961 610475
Gene Ontology	Hyperlink
Gene Summary	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	cAMP and cGMP cyclic nucleotide phosphodiesterase 11A cyclic nucleotide phosphodiesterase 11A dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A

Publication Reference

- [A genome-wide scan identifies mutations in the gene encoding phosphodiesterase 11A4 \(PDE11A\) in individuals with adrenocortical hyperplasia.](#)

Horvath A, Boikos S, Giatzakis C, Robinson-White A, Groussin L, Griffin KJ, Stein E, Levine E, Delimpasi G, Hsiao HP, Keil M, Heyerdahl S, Matyakhina L, Libe R, Fratticci A, Kirschner LS, Cramer K, Gaillard RC, Bertagna X, Carney JA, Bertherat J, Bossis I, Stratakis CA.

Nature Genetics 2006 Jun; 38(7):794.

Pathway

- [Purine metabolism](#)

Disease

- [Acromegaly](#)
- [Adenoma](#)
- [Adrenal Cortex Neoplasms](#)
- [Adrenocortical Hyperfunction](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Cushing Syndrome](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
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- [Pituitary Neoplasms](#)

- [Precancerous Conditions](#)
- [Psychiatric Status Rating Scales](#)
- [Testicular Neoplasms](#)
- [Tobacco Use Disorder](#)