

## ARG10817 anti-PDE11A phospho (Ser117 / Ser124) antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE11A phospho (Ser117 / Ser124)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE11A
Antigen Species	Human
Immunogen	Synthetic peptide taken within aa. 100-150 from PDE11A protein. Phosphorylated at Ser117 and Ser124.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.4.35; PPNAD2; Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A; cAMP and cGMP phosphodiesterase 11A; EC 3.1.4.53

### Application Instructions

Application table	Application	Dilution
	ELISA	1:10000
	IP	1:250
	WB	1:500
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	105 kDa	
Observed Size	~ 105 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 mg/ml

**Storage instruction**

For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

**Bioinformation**

**Gene Symbol**

PDE11A

**Gene Full Name**

phosphodiesterase 11A

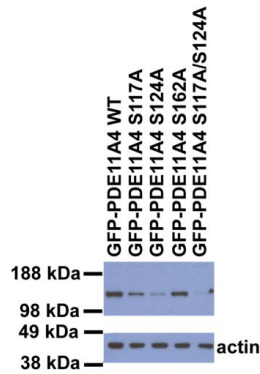
**Background**

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, Jul 2008]

**Function**

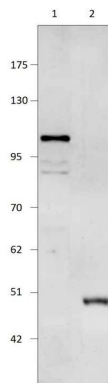
Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides cAMP and cGMP. Catalyzes the hydrolysis of both cAMP and cGMP to 5'-AMP and 5'-GMP, respectively. [UniProt]

**Images**



ARG10817 anti-PDE11A phospho (Ser117 / Ser124) antibody WB image

Western blot: GFP-PDE11A variants stained with ARG10817 anti-PDE11A phospho (Ser117 / Ser124) antibody.



ARG10817 anti-PDE11A phospho (Ser117 / Ser124) antibody WB image

Western blot: 1) Rat testis, and 2) Rat liver (Negative control) stained with ARG10817 anti-PDE11A phospho (Ser117 / Ser124) antibody at 1:250 dilution, 1 hour incubation at RT.