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
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.
Observed Size	~ 105 kDa

Properties

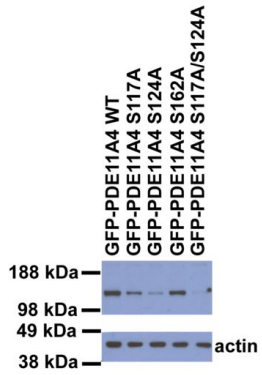
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 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

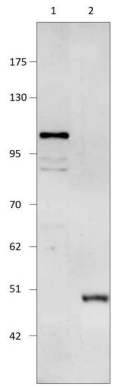
Gene Symbol	PDE11A
Gene Full Name	phosphodiesterase 11A
Background	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 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]
Calculated Mw	105 kDa

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.