

ARG10787 anti-PDE11A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE11A
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE11A
Species	Human
Immunogen	Synthetic peptide taken within aa. 100-150 from PDE11A protein, common to all PDE11A variants.
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
	Confocal	1:250
	Dot	1:10000
	ELISA	1:10000
	ICC/IF	1:250
	IHC-P	1:250
	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.

Properties

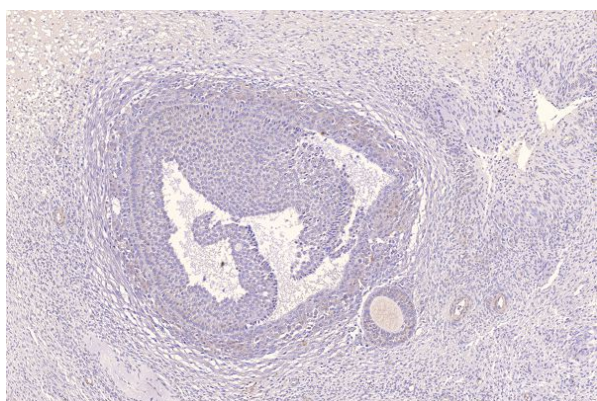
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA

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



ARG10787 anti-PDE11A antibody IHC image

Immunohistochemistry: Human ovarian medulla tissue stained with ARG10787 anti-PDE11A antibody at 1:200 dilution.



ARG10787 anti-PDE11A antibody WB image

Western blot: Recombinant PDE11A protein stained with ARG10787 anti-PDE11A antibody at 1:250 dilution.