ARG10802
anti-PDE4C antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE4C
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE4C
Species	Human
Immunogen	Synthetic cyclic peptide around the C-terminus of PDE4C protein. Common to all PDE4C variants.
Conjugation	Un-conjugated
Alternate Names	cAMP-specific 3',5'-cyclic phosphodiesterase 4C; DPDE1; PDE21; EC 3.1.4.53

Application Instructions

Application table

Application	Dilution
Confocal	1:200
Dot	1:10000
ELISA	1:10000
ICC/IF	1:200
IHC-P	1:200
IP	1:200
WB	1:500 - 1:2500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

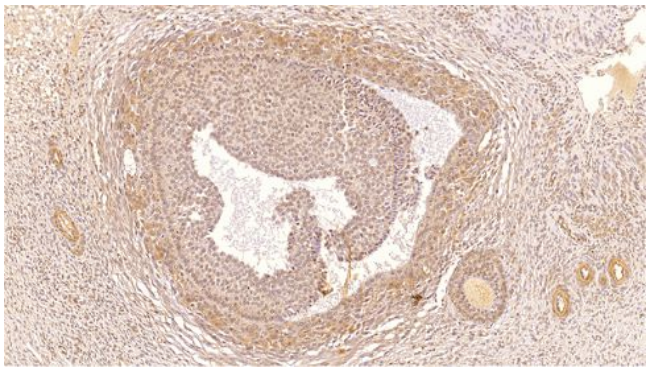
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	30% Glycerol and 0.5% BSA
Concentration	0.5 mg/ml

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

Database links	GeneID: 110385 Mouse GeneID: 5143 Human Swiss-port # Q08493 Human Swiss-port # Q3UEI1 Mouse
Gene Symbol	PDE4C
Gene Full Name	phosphodiesterase 4C, cAMP-specific
Background	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. [UniProt]
Calculated Mw	80 kDa

Images



ARG10802 anti-PDE4C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10802 anti-PDE4C antibody.