ARG10793
anti-PDE1C antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDE1C
Tested Reactivity	Hu, Ms, Rat
Tested Application	Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE1C
Antigen Species	Human
Immunogen	Synthetic peptide from Human PDE1C.
Conjugation	Un-conjugated
Alternate Names	Hcam3; cam-PDE 1C; EC 3.1.4.17; Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C; Cam-PDE 1C; hCam-3

Application Instructions

Application table

Application	Dilution
Confocal	1:40 - 1:100
Dot	1:10000
ELISA	1:10000
ICC/IF	1:40 - 1:100
IHC-P	1:40 - 1:100
IP	1:200
WB	1:500 - 1:2000

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

Calculated Mw: PDE1C1: 76 kDa
PDE1C2: 70 kDa

Properties

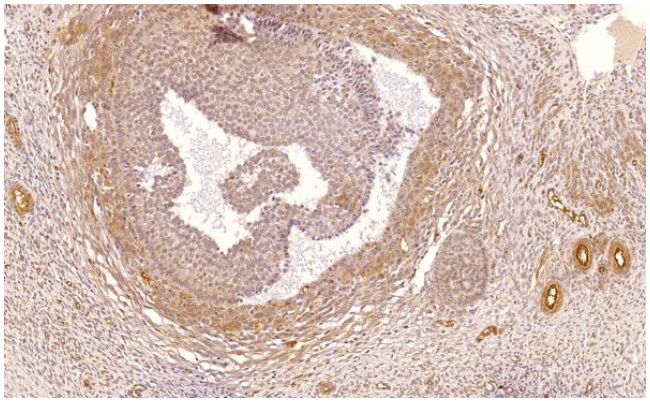
Form	Liquid
Purification	Affinity purified.
Buffer	Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA.

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	PDE1C
Gene Full Name	phosphodiesterase 1C, calmodulin-dependent 70kDa
Background	Cyclic nucleotide phosphodiesterases (PDEs) catalyze hydrolysis of the cyclic nucleotides cAMP and cGMP to the corresponding nucleoside 5-prime-monophosphates. Mammalian PDEs have been classified into several families based on their biochemical properties. Members of the PDE1 family, such as PDE1C, are calmodulin (see MIM 114180)-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex (Repaske et al., 1992 [PubMed 1326532]).[supplied by OMIM, Oct 2009]
Function	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. Has a high affinity for both cAMP and cGMP. [UniProt]

Images

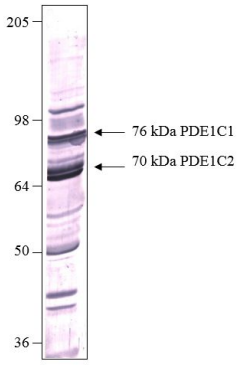


ARG10793 anti-PDE1C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10793 anti-PDE1C antibody at 1:1500 dilution.

ARG10793 anti-PDE1C antibody WB image

Western blot: Recombinant PDE1C2 and PDE1C1 protein stained with ARG10793 anti-PDE1C antibody at 1:500 dilution.



ARG10793 anti-PDE1C antibody WB image

Western blot: 50 µg of Rat brain on SDS-PAGE stained with ARG10793 anti-PDE1C antibody at 1:250 dilution.