

ARG10793 anti-PDE1C antibody

Package: 50 µg
Store at: -20°C

Summary

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|---------------------|---|
| 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 |
| 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.

Properties

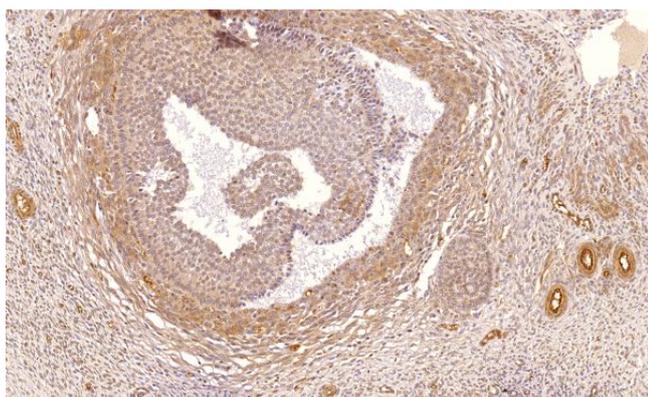
| | |
|--------------|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 30% Glycerol and 0.5% BSA |

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| 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

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|----------------|--|
| 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] |
| Calculated Mw | PDE1C1: 76 kDa PDE1C2: 70 kDa |

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.

