# ARG10810
# anti-PDE8A antibody

Package: 50 µg
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes PDE8A |
| Tested Reactivity | Hu, Ms, Rat, Bov, Mk |
| Tested Application | Confocal, Dot, ELISA, ICC/IF, IHC-P, IP, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PDE8A |
| Species | Human |
| Immunogen | Synthetic cyclic peptide from near the N-terminus common to all PDE8A variants. |
| Conjugation | Un-conjugated |
| Alternate Names | HsT19550; High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A; 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 - 1:2000 |

Application Note

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

## Properties

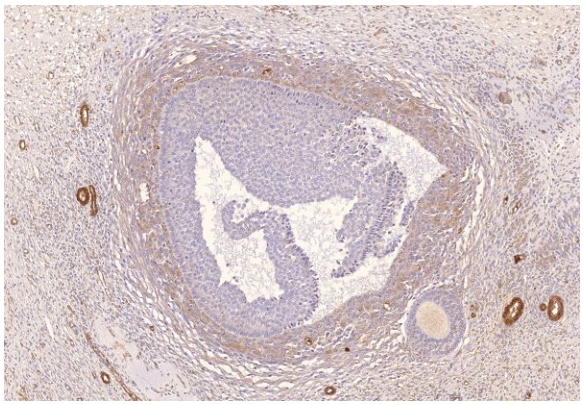
| | |
|---|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 30% Glycerol and 0.5% BSA |

| | |
|---|---|
| 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

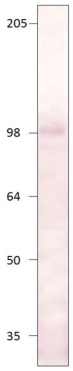
| | |
|---|---|
| Database links | GeneID: 18584 Mouse<br>GeneID: 5151 Human<br>Swiss-port # O60658 Human<br>Swiss-port # O88502 Mouse |
| Gene Symbol | PDE8A |
| Gene Full Name | phosphodiesterase 8A |
| Background | The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE8 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 found for this gene.[provided by RefSeq, Jul 2011] |
| Function | Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development. [UniProt] |
| Calculated Mw | 93 kDa |
| PTM | Phosphorylated at Ser-359 by PKA under elevated cAMP conditions, this enhances catalytic activity. |

## Images



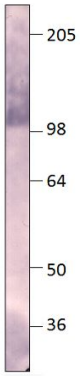
ARG10810 anti-PDE8A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10810 anti-PDE8A antibody at 1:200 dilution.




ARG10810 anti-PDE8A antibody WB image

Western blot: 50 µg of Rat heart tissue stained with ARG10810 anti-PDE8A antibody at 1:500 dilution.




ARG10810 anti-PDE8A antibody WB image

Western blot: Recombinant PDE8A protein stained with ARG10810 anti-PDE8A antibody at 1:500 dilution.