

ARG10811 anti-PDE8B antibody

Package: 50 µg
Store at: -20°C

Summary

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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes PDE8B |
| 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 | PDE8B |
| Species | Mouse |
| Immunogen | Synthetic cyclic peptide common to all PDE8B variants. |
| Conjugation | Un-conjugated |
| Alternate Names | EC 3.1.4.53; HsPDE8B; Cell proliferation-inducing gene 22 protein; ADSD; PPNAD3; High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8B |

Application Instructions

| Application table | Application | Dilution |
|-------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| | Confocal | 1:200 |
| | Dot | 1:10000 |
| | ELISA | 1:10000 |
| | ICC/IF | 1:200 |
| | IHC-P | 1:200 |
| | IP | 1:250 |
| | 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

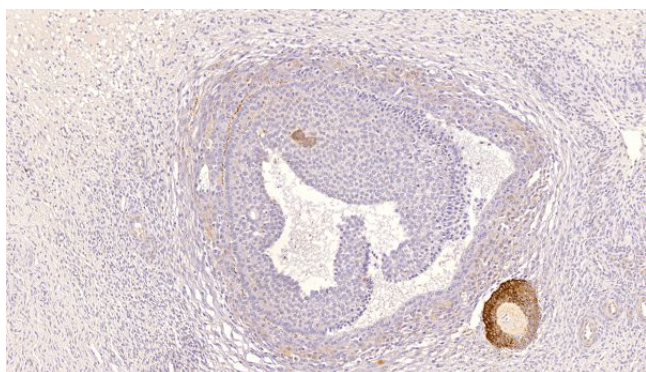
| | |
|--------------|-------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | Tris-Glycine Buffer (pH 7.4 - 7.8), Hepes, 0.02% Sodium azide, 30% Glycerol and 0.5% BSA. |
| Preservative | 0.02% Sodium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

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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

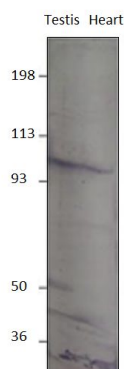
| | |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links | GeneID: 8622 Human Swiss-port # O95263 Human |
| Gene Symbol | Pde8b |
| Gene Full Name | phosphodiesterase 8B |
| Background | The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010] |
| Function | Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in specific signaling in the thyroid gland. [UniProt] |
| Calculated Mw | 99 kDa |

Images



ARG10811 anti-PDE8B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian medulla tissue stained with ARG10811 anti-PDE8B antibody.



ARG10811 anti-PDE8B antibody WB image

Western blot: Rat testis and Rat heart lysates stained with ARG10811 anti-PDE8B antibody at 1:300 dilution.