

## Datasheet for ABIN1422146 **anti-PDE4A antibody (Cy7)**

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### Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | PDE4A                                                                           |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This PDE4A antibody is conjugated to Cy7                                        |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human PDE4A8 |
| Isotype:          | IgG                                                        |
| Cross-Reactivity: | Human, Mouse, Rat                                          |
| Purification:     | Purified by Protein A.                                     |

### Target Details

|             |                                                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:     | PDE4A                                                                                                                                                                                                                                                                                                    |
| Abstract:   | <a href="#">PDE4A Products</a>                                                                                                                                                                                                                                                                           |
| Background: | <p>Synonyms: 2EL, DPDE2, PDE4, PDE46, PDE4A, Phosphodiesterase 4A, Phosphodiesterase Type 4A8, PDE4A_HUMAN.</p> <p>Background: The PDE4A8 is a testis germ cell-specific PDE4A variant. There are two PDE4A variants identified in rat testis (PDE4A8 and an un-characterized 76 kDa PDE4A protein).</p> |

## Target Details

Spermatogenesis is accompanied by expression of a varied repertoire of PDE4 enzymes at different stages of cell differentiation that presumably perform specialized functions. Confocal microscopic examination revealed the presence of PDE4A8 in primary and secondary spermatids but not in mature spermatozoa. PDE4A8 inhibition results in increased apoptosis of the germ cells accompanied with reduction in the number of mature spermatozoa.

|           |                                        |
|-----------|----------------------------------------|
| Gene ID:  | 5141                                   |
| Pathways: | <a href="#">cAMP Metabolic Process</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |