

## Datasheet for ABIN1418346 **anti-PDZD2 antibody (Cy5)**

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### Overview

|              |                                                          |
|--------------|----------------------------------------------------------|
| Quantity:    | 100 µL                                                   |
| Target:      | PDZD2                                                    |
| Reactivity:  | Human, Mouse, Rat                                        |
| Host:        | Rabbit                                                   |
| Clonality:   | Polyclonal                                               |
| Conjugate:   | This PDZD2 antibody is conjugated to Cy5                 |
| Application: | Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human PDZK3 |
| Isotype:          | IgG                                                       |
| Cross-Reactivity: | Human, Mouse, Rat                                         |
| Purification:     | Purified by Protein A.                                    |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PDZD2                                                                                                                                                                                                                                                                                                                                                      |
| Alternative Name: | PDZK3 ( <a href="#">PDZD2 Products</a> )                                                                                                                                                                                                                                                                                                                   |
| Background:       | Synonyms: Activated in prostate cancer protein, AIPC, KIAA0300, Likely ortholog of rat plakophilin related armadillo repeat protein interacting PDZ protein antibody PAPIN, PDZ domain containing 2, PDZ domain containing 3, PDZ domain containing protein 2, PDZ domain containing protein 3, PDZD2, PDZK 2, PDZK2, PDZK-2, PDZK 3, PDZK3, PDZK-3, PIN1, |

## Target Details

Plakophilin related armadillo repeat protein interacting PDZ protein like, Rat plakophilin related armadillo repeat protein interacting PDZ protein like, PDZD2\_HUMAN.

Background: Proteins containing PDZ domains have been shown frequently to bind the C-termini of transmembrane receptors or ion channels. They have also been shown to bind to other PDZ domain proteins and could possibly be involved in intracellular signalling. PDZK3 contains six PDZ domains and shares sequence similarity with pro-interleukin-16 (pro-IL-16). Like pro-IL-16, the encoded protein localizes to the endoplasmic reticulum and is thought to be cleaved by a caspase to produce a secreted peptide containing two PDZ domains. In addition, the PDZK3 gene is upregulated in primary prostate tumors and may be involved in the early stages of prostate tumorigenesis.

|          |       |
|----------|-------|
| Gene ID: | 23037 |
|----------|-------|

## Application Details

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

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

|                |         |
|----------------|---------|
| Concentration: | 1 µg/µL |
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|         |                                                                                                             |
|---------|-------------------------------------------------------------------------------------------------------------|
| 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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------|

|          |        |
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| Storage: | -20 °C |
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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
|------------------|-----------------------------------------------------------------------------------|

|              |           |
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| Expiry Date: | 12 months |
|--------------|-----------|