

**Datasheet for 600-401-J29****Protein Kinase C delta-Binding Protein Antibody****Overview**

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Protein Kinase C delta-Binding Protein (RABBIT) Antibody - 600-401-J29 |
| <b>Item No.:</b>     | 600-401-J29                                                                 |
| <b>Size:</b>         | 100 µg                                                                      |
| <b>Applications:</b> | IHC                                                                         |
| <b>Reactivity:</b>   | Human                                                                       |
| <b>Host Species:</b> | Rabbit                                                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Protein Kinase C delta-Binding Protein antibody, once activated by diacylglycerol, phosphorylates various cellular proteins. It also functions as a receptor for phorbol esters and may be a factor in antigen-dependent control of B-cell function. Anti-Protein Kinase C delta-Binding Protein antibody is ideal for researchers interested in Neuroscience, Cancer, and Signal Transduction research. |
| <b>Synonyms:</b>     | rabbit anti-Protein kinase C delta-binding protein antibody, rabbit anti-Cavin-3 antibody, Cavin3, cavin 3, PKC $\delta$ , Serum deprivation response factor-related gene product that binds to C-kinase, Caveolae-associated protein 3, hSRBC, PRKCDBP, SRBC, PKC delta, PKC $\delta$ antibody                                                                                                          |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                        |                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | CAVIN3                                                                                                                                                                                                                                                     |
| <b>Reactivity:</b>     | Human                                                                                                                                                                                                                                                      |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                                                                                                         |
| <b>Immunogen:</b>      | Protein Kinase C delta-Binding Protein affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminal region of human Protein Kinase C delta-Binding Protein. |

**Purity/Specificity:** Anti-Protein Kinase C delta-Binding Protein was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with rat, human, and mouse based on 100% sequence homology. Cross-reactivity with Protein Kinase C delta-Binding Protein from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - Q969G5](#)
- [NCBI - NP\\_659477.2](#)
- [GeneID - 112464](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | IHC                                                                                                                                                                                                                                                                                               |
| <b>Application Note:</b>    | Anti-Protein Kinase C delta Binding Protein antibody is tested in immunohistochemistry and ELISA and useful for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~37kDa corresponding to the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                   |
| <b>ELISA:</b>               | 1: 10,000                                                                                                                                                                                                                                                                                         |
| <b>IHC:</b>                 | 5 µg/mL                                                                                                                                                                                                                                                                                           |
| <b>WB:</b>                  | 1ug/ml                                                                                                                                                                                                                                                                                            |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.02 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | None                                                       |
| <b>Stabilizer:</b>     | 30% Glycerol                                               |

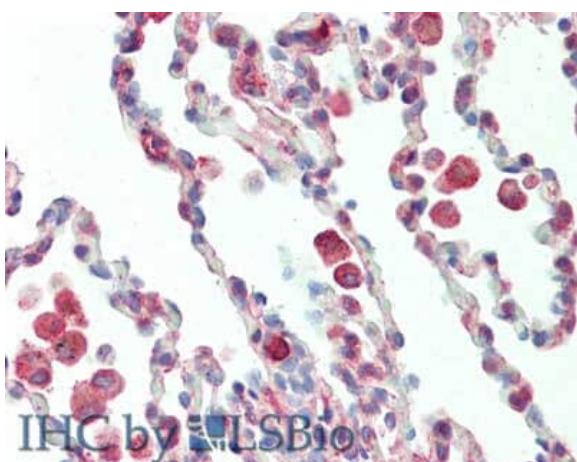
## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Dry Ice |
|----------------------------|---------|

**Storage Condition:** Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

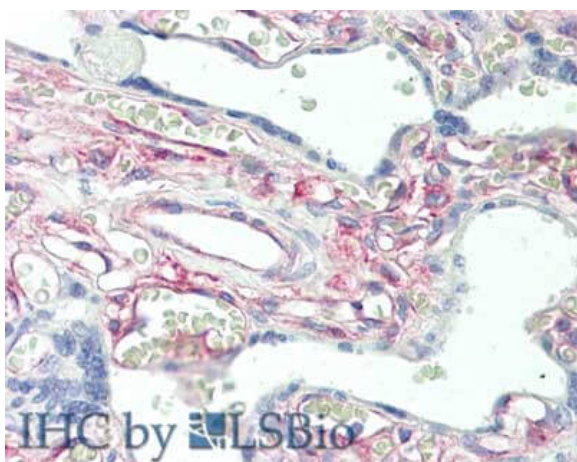
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



### Immunohistochemistry

Immunohistochemistry of rabbit anti-Protein Kinase C delta Binding Protein antibody. Tissue: Lung. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Anti-Protein Kinase C delta Binding Protein at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Protein Kinase C delta Binding Protein as precipitated red signal with hematoxylin purple nuclear counterstain.



### Immunohistochemistry

Immunohistochemistry of rabbit anti-Protein Kinase C delta Binding Protein antibody. Tissue: Placenta. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Anti-Protein Kinase C delta Binding Protein at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Protein Kinase C delta Binding Protein as precipitated red signal with hematoxylin purple nuclear counterstain.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.