

**Datasheet for 600-401-DL3****Periphilin Antibody****Overview**

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Description:</b>  | Anti-Periphilin (RABBIT) Antibody - 600-401-DL3 |
| <b>Item No.:</b>     | 600-401-DL3                                     |
| <b>Size:</b>         | 100 µg                                          |
| <b>Applications:</b> | ELISA, IF, IHC, WB                              |
| <b>Reactivity:</b>   | Human, Mouse                                    |
| <b>Host Species:</b> | Rabbit                                          |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Periphilin, known as PPHLN1 or gastric cancer antigen Ga50, plays a role in epithelial differentiation and contributes to epidermal integrity and barrier formation. It interacts with periplakin, a known precursor of the cornified cell envelope. Periphilin 1 is ubiquitously expressed and localizes to nucleus and cytoplasm. Existing as eight alternatively spliced isoforms, Periphilin is highly insoluble and contains a putative nuclear localization signal (NLS) within its N-terminal half, a prerequisite for the formation of insoluble complexes and a possible caspase recognition sequence and a potential nuclear export signal. Periphilin may play an important role in the nervous system. |
| <b>Synonyms:</b>     | Periphilin Antibody, HSPC206, HSPC232, Periphilin-1, Gastric cancer antigen Ga50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Target Details**

|                        |                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | PPHLN1                                                                                                                                                                                |
| <b>Reactivity:</b>     | Human, Mouse                                                                                                                                                                          |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                                    |
| <b>Immunogen:</b>      | Anti-Periphilin antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human Periphilin. |

|                            |                                                                                                                                                                                           |
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| <b>Purity/Specificity:</b> | Anti-Periphilin Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Periphilin from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q8NEY8</a></li><li>• <a href="#">GeneID - 51535</a></li><li>• <a href="#">NCBI - NP_958848</a></li></ul>                  |

## Application Details

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| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                             |
| <b>Application Note:</b>    | Anti-Periphilin Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 53 kDa in Western Blots of specific cell lysates and tissues. |
| <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>IF:</b>                  | 5 µg/mL                                                                                                                                                                                                                                                                                        |
| <b>IHC:</b>                 | 2.5 µg/mL                                                                                                                                                                                                                                                                                      |
| <b>WB:</b>                  | 1 µg/mL                                                                                                                                                                                                                                                                                        |

## Formulation

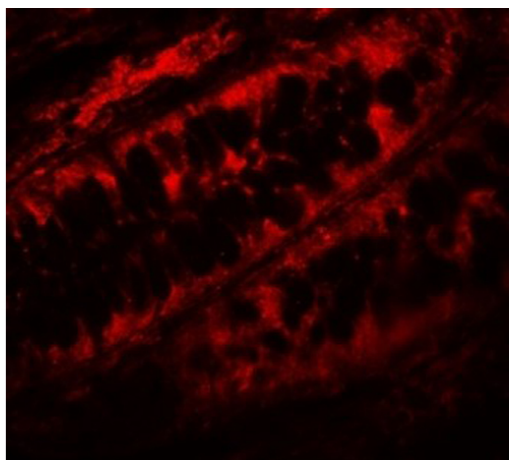
|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1.0 mg/ml by UV absorbance at 280 nm                    |
| <b>Buffer:</b>         | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.02% (w/v) Sodium Azide                                |
| <b>Stabilizer:</b>     | None                                                    |

## Shipping & Handling

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

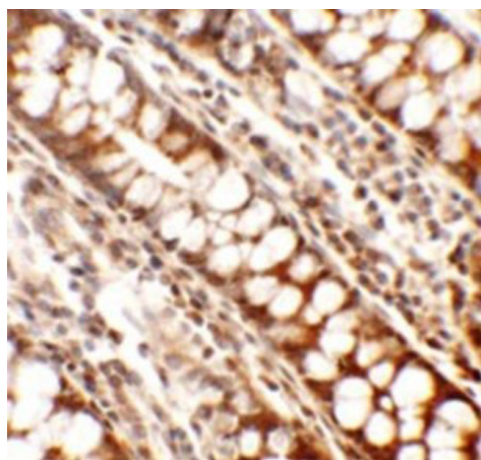
Expiration date is one (1) year from date of receipt.

**Images****Immunofluorescence Microscopy**

Immunofluorescence of Periphilin.

Tissue: human colon tissue.

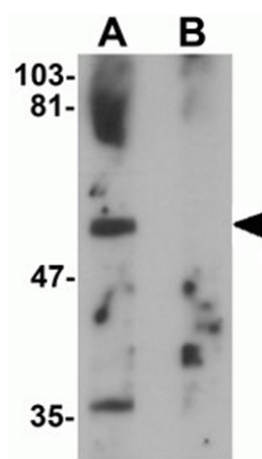
Primary Antibody: Periphilin antibody at 5 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of Periphilin.

Tissue: human colon tissue.

Primary Antibody: Periphilin antibody at 2.5 µg/mL.

**Western Blot**

Western blot analysis of Periphilin.

Tissue: mouse colon tissue lysate.

Primary Antibody: Periphilin antibody at 1  $\mu\text{g/mL}$  in (A) the absence and (B) the presence of blocking peptide.

**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.