

**Datasheet for 600-401-DN3****PIERCE1 Antibody****Overview**

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | Anti-PIERCE1 (RABBIT) Antibody - 600-401-DN3 |
| <b>Item No.:</b>     | 600-401-DN3                                  |
| <b>Size:</b>         | 100 µg                                       |
| <b>Applications:</b> | ELISA, IHC, WB                               |
| <b>Reactivity:</b>   | Human, Mouse                                 |
| <b>Host Species:</b> | Rabbit                                       |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | PIERCE1, also known as C9orf116, is an important p53 target gene contributing to normal DNA damage response and may play crucial roles in maintaining genomic integrity against genotoxic stresses, including UVC irradiation. PIERCE1 exists as two alternatively spliced isoforms and is predominantly expressed in human small cell lung cancer. PIERCE1 knockdown induces down-regulation of proapoptotic genes including Ei24, Apaf1 and PTEN, suggesting that PIERCE1 is a proapoptotic gene. It is helpful for in-depth understanding of p53 pathways and the design of new cancer therapies. |
| <b>Synonyms:</b>     | PIERCE1 Antibody, PIERCE1, RbEST47, UPF0691 protein C9orf116, p53-induced expression in RB-null cells protein 1, Pierce1                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>      | C9orf116                                                                                                                                                                   |
| <b>Reactivity:</b>     | Human, Mouse                                                                                                                                                               |
| <b>Immunogen Type:</b> | Conjugated Peptide                                                                                                                                                         |
| <b>Immunogen:</b>      | Anti-PIERCE1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human PIERCE1. |

**Purity/Specificity:** Anti-PIERCE1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PIERCE1 antibody is predicted to not cross-react with other UPF0691 family members.

**Relevant Links:**

- [UniProtKB - Q5BN46](#)
- [GeneID - 138162](#)
- [NCBI - Q5BN46](#)

## Application Details

**Tested Applications:** ELISA, IHC, WB

**Application Note:** Anti-PIERCE1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 15 kDa in Western Blots of specific cell lysates and tissues.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:10,000

**WB:** 1 µg/mL

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 1 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

**Preservative:** 0.02% (w/v) Sodium Azide

**Stabilizer:** None

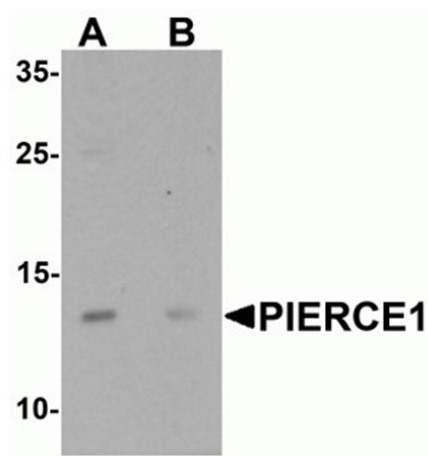
## Shipping & Handling

**Shipping Condition:** 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



### Western Blot

Western blot analysis of PIERCE1.

Load: A20 cell lysate.

Primary Antibody: PIERCE1 antibody at 1  $\mu$ g/mL in (A) the absence and (B) the presence of blocking peptide.



### Immunocytochemistry

Immunocytochemistry of PIERCE1.

Cell: A20 cells.

Primary Antibody: PIERCE1 antibody at 2.5  $\mu$ g/mL.

## 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.