

**Datasheet for 600-401-CM6****LRRC26 Antibody****Overview**

|                      |                                             |
|----------------------|---------------------------------------------|
| <b>Description:</b>  | Anti-LRRC26 (RABBIT) Antibody - 600-401-CM6 |
| <b>Item No.:</b>     | 600-401-CM6                                 |
| <b>Size:</b>         | 100 µg                                      |
| <b>Applications:</b> | ELISA, IF, IHC, WB                          |
| <b>Reactivity:</b>   | Human                                       |
| <b>Host Species:</b> | Rabbit                                      |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | The LRRC26 protein was initially identified as a cytokeratin-associated protein whose expression was elevated in multiple cancer cell lines and cancer specimens as well in normal prostate and salivary gland tissues (1). LRRC26 was later found to negatively regulate the NF-kappaB activation and suppresses tumor growth and metastasis (2). LRRC26 can also act to selectively alter the efficacy of large conductance calcium-activated K (BK) channels (3). |
| <b>Synonyms:</b>     | LRRC26 Antibody, CAPC, bA350O14.10, CAPC, Leucine-rich repeat-containing protein 26, BK channel auxiliary gamma subunit LRRC26                                                                                                                                                                                                                                                                                                                                       |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Target Details**

|                            |                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | LRRC26                                                                                                                                                          |
| <b>Reactivity:</b>         | Human                                                                                                                                                           |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                              |
| <b>Immunogen:</b>          | Anti-LRRC26 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human LRRC26. |
| <b>Purity/Specificity:</b> | Anti-LRRC26 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. LRRC26 antibody is human specific.                     |

**Relevant Links:**

- [UniProtKB - Q2I0M4](#)
- [GeneID - 389816](#)
- [NCBI - NP\\_001013675](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                          |
| <b>Application Note:</b>    | Anti-LRRC26 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 35 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>               | 1:5000 - 1:10000                                                                                                                                                                                                                                                                            |
| <b>IF:</b>                  | 20 µg/mL                                                                                                                                                                                                                                                                                    |
| <b>IHC:</b>                 | 2.5 µg/mL                                                                                                                                                                                                                                                                                   |
| <b>WB:</b>                  | 0.5-1 µg/mL                                                                                                                                                                                                                                                                                 |

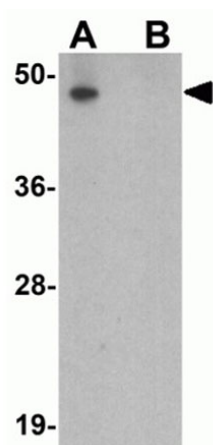
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Images

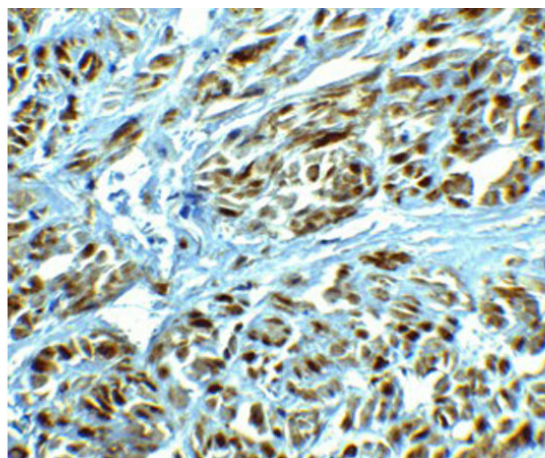


### Western Blot

Western blot of LRRC26.

Load: human prostate tissue lysate.

Primary Antibody: LRRC26 antibody at 0.5  $\mu\text{g/ml}$  in (A) the absence and (B) the presence of blocking peptide.

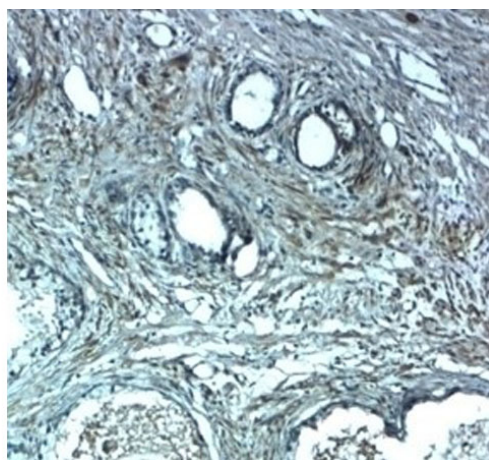


### Immunohistochemistry

Immunohistochemistry of LRRC26.

Tissue: human prostate tissue.

Primary Antibody: LRRC26 antibody at 2.5  $\mu\text{g/ml}$ .

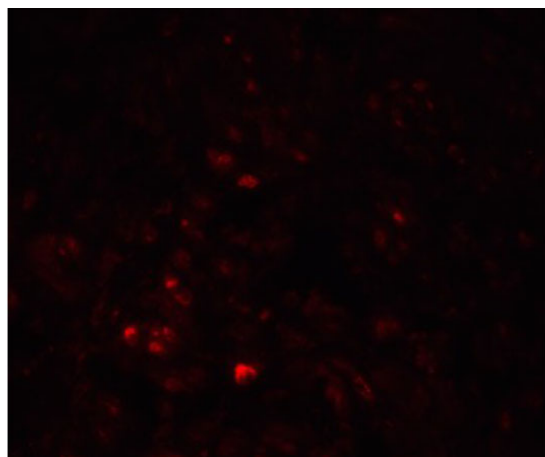


### Immunohistochemistry

Immunohistochemistry of LRRC26.

Tissue: human prostate tissue.

Primary Antibody: LRRC26 antibody at 2.5  $\mu\text{g/mL}$ .

**Immunofluorescence Microscopy**

Immunofluorescence of LRRC26.

Tissue: human prostate tissue.

Primary Antibody: LRRC26 Antibody at 20 µg/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.