

**Datasheet for 600-401-DX4****REEP2 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-REEP2 (RABBIT) Antibody - 600-401-DX4 |
| <b>Item No.:</b>     | 600-401-DX4                                |
| <b>Size:</b>         | 100 µg                                     |
| <b>Applications:</b> | ELISA, IF, IHC, WB                         |
| <b>Reactivity:</b>   | Human, Mouse, Rat                          |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Background:</b>   | Mammalian odorant receptors require accessory proteins such as RTP1 and RTP2 for functional cell surface expression. Receptor expression-enhancing protein (REEP) family members are transmembrane proteins which interact with odorant receptor proteins and may enhance the odorant receptor responses to odorants. Recently studies have shown other chemosensory receptors such as bitter taste receptors are also influenced by RTP and REEP family members. |
| <b>Synonyms:</b>     | REEP2 Antibody, SPG72, C5orf19, SGC32445, Receptor expression-enhancing protein 2                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**Target Details**

|                            |                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | REEP2                                                                                                                                                                           |
| <b>Reactivity:</b>         | Human, Mouse, Rat                                                                                                                                                               |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                              |
| <b>Immunogen:</b>          | Anti-REEP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the internal region of human REEP2.     |
| <b>Purity/Specificity:</b> | Anti-REEP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with REEP2 from other sources has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9BRK0</a></li></ul>                                                                                            |

- [GeneID - 51308](#)
- [NCBI - EAW62139](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | ELISA, IF, IHC, WB                                                                                                                                                                                                                                                                        |
| <b>Application Note:</b>    | Anti-REEP2 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 28 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>                  | 20 µg/mL                                                                                                                                                                                                                                                                                  |
| <b>IHC:</b>                 | 20 µg/mL                                                                                                                                                                                                                                                                                  |
| <b>IP:</b>                  | 5 µg/mL                                                                                                                                                                                                                                                                                   |
| <b>WB:</b>                  | 1.0 µg/mL                                                                                                                                                                                                                                                                                 |

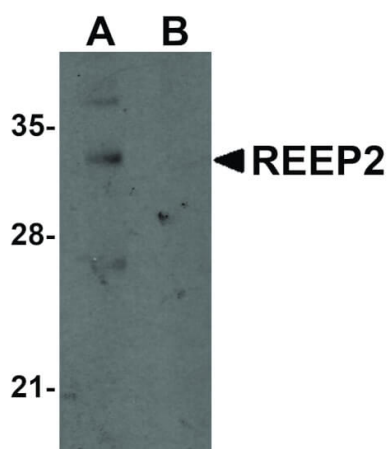
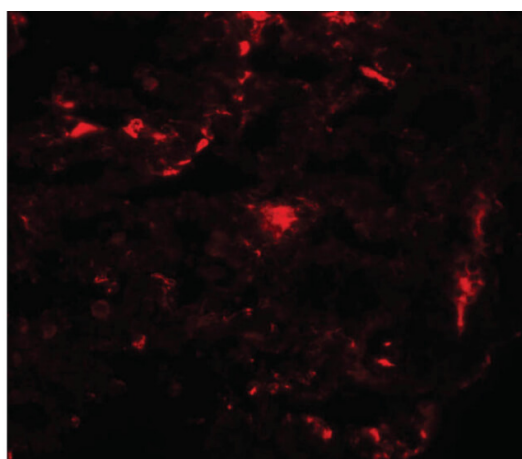
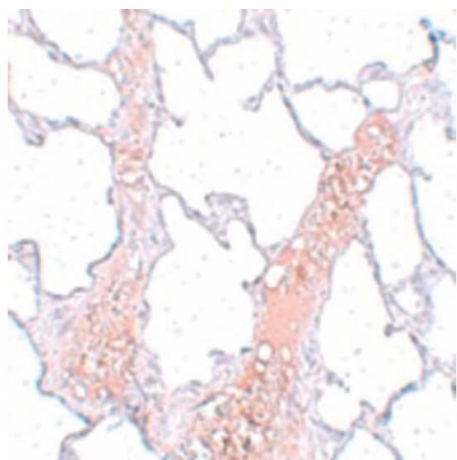
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <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



### Immunohistochemistry

Immunohistochemistry of REEP2 antibody. Tissue: Rat lung tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: REEP2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: REEP2 is a membrane protein. Staining: REEP2 as precipitated pink signal with purple nuclear counterstain.

### Immunofluorescence Microscopy

Immunofluorescence Microscopy of REEP2 antibody. Tissue: Rat lung tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: REEP2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: REEP2 is a membrane protein. Staining: REEP2 as red fluorescent signal.

### Western Blot

Western Blot of REEP2 antibody. Lane 1: Mouse lung tissue lysate in the absence of blocking peptide. Lane 2: Mouse lung tissue lysate in the presence of blocking peptide. Primary Antibody: anti-REEP2 at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 28 kDa, 32 kDa for REEP2. Other band(s): REEP2 splice variants and isoforms.

## 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.