

**Datasheet for 600-401-DX8****RGP1 Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-RGP1 (RABBIT) Antibody - 600-401-DX8 |
| <b>Item No.:</b>     | 600-401-DX8                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | ELISA, WB                                 |
| <b>Reactivity:</b>   | Human, Mouse, Rat                         |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Background:</b>   | Retrograde golgi transport homolog 1 (RGP1) is the mammalian homolog to the yeast RGP1, a protein that forms a tight complex with RIC1. This complex binds Ypt6p and stimulates guanine nucleotide exchange. RGP1 is localized to the Golgi and is thought to be a potential Golgi recycling factor. Rgp1 yeast mutants exhibit defects in retrograde trafficking similar to those seen in yeast with mutations in other retrograde Golgi transport proteins. It is expected that RGP1 plays a similar role in mammalian cells to that seen in yeast. |
| <b>Synonyms:</b>     | RGP1 Antibody, KIAA0258, KIAA0258, Retrograde Golgi transport protein RGP1 homolog                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Target Details**

|                            |                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | RGP1                                                                                                                                                                          |
| <b>Reactivity:</b>         | Human, Mouse, Rat                                                                                                                                                             |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                            |
| <b>Immunogen:</b>          | Anti-RGP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the N-terminus of the human RGP1.      |
| <b>Purity/Specificity:</b> | Anti-RGP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RGP1 from other sources has not been determined. |

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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Relevant Links:</b> | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q92546</a></li><li>• <a href="#">GeneID - 9827</a></li><li>• <a href="#">NCBI - NP_001073965</a></li></ul> |
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## Application Details

|                             |                                                                                                                                                                                                                                                |
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| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                      |
| <b>Application Note:</b>    | Anti-RGP1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 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 - 1:20,000                                                                                                                                                                                                                            |
| <b>WB:</b>                  | 1-2 µg/mL                                                                                                                                                                                                                                      |

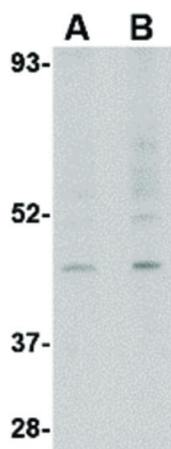
## Formulation

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                               |
| <b>Concentration:</b>  | 1 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 RGP1 antibody. Lane A: Human heart tissue lysate at 1 µg/mL. Lane B: Human heart tissue lysate at 2 µg/mL. Load: 35 µg per lane. 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: 42.4 kDa, ~42 kDa for RGP1.

**Disclaimer**

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