

**Datasheet for 200-401-G66S****GAB1 Antibody****Overview**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>Description:</b>  | Anti-GAB1 (RABBIT) Antibody - 200-401-G66S |
| <b>Item No.:</b>     | 200-401-G66S                               |
| <b>Size:</b>         | 25 µL                                      |
| <b>Applications:</b> | WB                                         |
| <b>Reactivity:</b>   | Human                                      |
| <b>Host Species:</b> | Rabbit                                     |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Background:</b>   | GAB1 antibody detects GAB1 which is a member of the IRS1-like multisubstrate docking protein family. The protein is an important mediator of branching tubulogenesis and plays a central role in cellular growth response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene. GAB1 plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. It is known to play a role in FGFR1 signaling and is probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). GAB1 interacts with GRB2 and with other SH2-containing proteins. It is known to interact with phosphorylated LAT2, PTPRJ, FRS2, GRB2, PIK3R1 and SOS1. GAB1 gets phosphorylated in response to FGFR1 activation. This tyrosine phosphorylation of GAB1 mediates interaction with several proteins that contain SH2 domains. Anti-GAB1 Antibody is ideal for investigators involved in Cell Signaling, Cancer, Neuroscience and Signal Transduction research. |
| <b>Synonyms:</b>     | rabbit Anti-GAB1 Antibody, GAB 1, GAB-1, GRB2-associated-binding protein 1, GRB2-associated binder 1, Growth factor receptor bound protein 2-associated protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**Target Details**

|                    |       |
|--------------------|-------|
| <b>Gene Name:</b>  | GAB1  |
| <b>Reactivity:</b> | Human |

|                            |                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen Type:</b>     | Recombinant Protein                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen:</b>          | Anti-GAB1 Antibody was produced in rabbits by repeated immunizations with a recombinant protein produced in Sf9 cells corresponding to the full length human GAB protein.                                                                                                                                                 |
| <b>Purity/Specificity:</b> | Anti-GAB1 antibody is directed against human GAB1. The antibody detects both unphosphorylated and phosphorylated forms of the protein. Anti-GAB1 antibody was purified from rabbit serum by Protein A chromatography followed by cross adsorption. Cross reactivity with GAB1 from other species has not been determined. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q13480</a></li><li>• <a href="#">GenelD - 2549</a></li></ul>                                                                                                                                                                                              |

## Application Details

|                             |                                                                                                                                                                                                                                  |
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| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                               |
| <b>Application Note:</b>    | Anti-GAB1 Antibody has been tested by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band at 76.6 kDa by western blotting in the appropriate cell lysate or extract. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                  |
| <b>ELISA:</b>               | 1:2,000 - 1:10,000                                                                                                                                                                                                               |
| <b>WB:</b>                  | 1:500-1:2000                                                                                                                                                                                                                     |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Concentration:</b>  | 1.02 mg/mL by UV absorbance at 280 nm                      |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (w/v) Sodium Azide                                   |

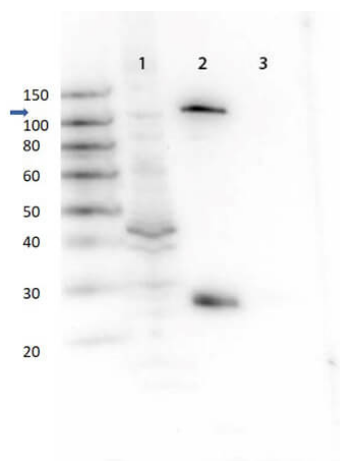
## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Dry Ice |
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**Storage Condition:** Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

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

## Images



### Western Blot

Western Blot of Rabbit anti-GAB1 antibody. Lane 1: MCF7 lysate (p/n W09-000-360). Lane 2: GAB1 rProtein (p/n 009-001-G66). Lane 3: GST protein (p/n 000-001-200). Load: 0.05 µg of protein or 30µg of lysate. Primary antibody: GAB1 antibody at 1µg/mL for overnight at 4°C. Secondary antibody: Goat-anti-Rabbit IgG HRP antibody (p/n 611-103-122) at 1:40,000 for 45 min at RT. Block: MB-070 Fluorescent blocking buffer overnight at 4°C. Predicted/Observed size: 130 kDa for GAB-1. Other band(s): none.

## 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.