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Datasheet for 200-401-G66

# GAB1 Antibody

## Overview

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| **Description:** | Anti-GAB1 (RABBIT) Antibody - 200-401-G66 |
| **Item No.:** | 200-401-G66 |
| **Size:** | 100 µg |
| **Applications:** | WB |
| **Reactivity:** | Human |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | 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. |
| **Synonyms:** | 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 |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | GAB1 |
| **Reactivity:** | Human |

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| **Immunogen Type:** | Recombinant Protein |
| **Immunogen:** | 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. |
| **Purity/Specificity:** | 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. |
| **Relevant Links:** | • UniProtKB - Q13480<br>• GeneID - 2549 |

## Application Details

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| **Tested Applications:** | WB |
| **Application Note:** | 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. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:2,000 - 1:10,000 |
| **WB:** | 1:500-1:2000 |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.02 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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| **Shipping Condition:** | Dry Ice |

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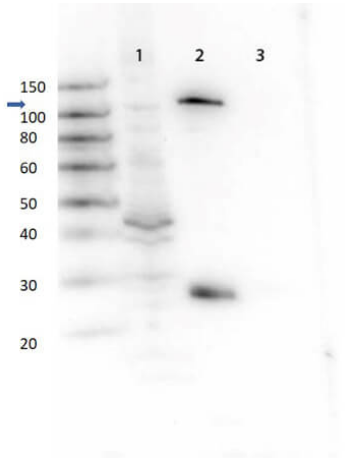
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C 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 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

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