# GAB1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Gab1, Polyclonal Antibody |
| **Full Product Name** | Gab1 CT (Grb2-Associated Binder1) (Biotin) |
| **Product Gene Name** | anti-Gab1 antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Specific for Gab1. No other known protein shares more than 10 amino acids with the immunizing sequence. Crossreacts with mouse and rat. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |
| **Molecular Weight** | 76,616 Da |
| **Chromosome Location** | Chromosome: 4; NC_000004.11 (144257983..144395718). Location: 4q31.21 |
| **OMIM** | 604439 |
| **3D Structure** | ModBase 3D Structure for Q13480 |
| **Immunogen** | 31 residue peptide sequence corresponding to C-terminal residues 664-694 of Gab1, (CQKTLALKSTREAWTDGRQSTESETPAKS-VK). |
| **Conjugate** | Biotin |
| **Positive Control** | Non-stimulated A431 cell lysate. |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-Gab1 antibody** | Antibodies; Apoptosis |
| **Applications Tested/Suitable for anti-Gab1 antibody** | Immunocytochemistry (ICC), Western Blot (WB), Immunoprecipitation (IP) |
| **Application Notes for anti-Gab1 antibody** | ICC: 10ug/ml will show positive immunostaining for Gab1 in A431 cells fixed with 4% paraformaldehyde.<br>WB: 0.5-2ug/ml will detect Gab1 in RIPA lysates from human A431 carcinoma cells; use 20ug per lane for minigels.<br>IP: 4ug will immunoprecipitate Gab1 from 500mg of a human A431 carcinoma cell RIPA lysate.<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-Gab1 antibody** | Immunoblot Analysis A431 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-Gab1 (0.5ug/ml). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system. |
| **Product References and Citations for anti-Gab1 antibody** | Holgado-Madruga, M., et al., Nature 379: 560-564, 1996. |

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| **Other Notes** | Small volumes of anti-Gab1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for Gab1 purchase** | MBS6477329 is an antibody targeting Gab1. Also known as Gab1 CT (Grb2-Associated Binder1) (Biotin). Reactive in Human, Mouse, Rat. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Gab1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 46370073 |
| **NCBI GeneID** | 2549 |
| **NCBI Accession #** | NP_002030.2 |
| **UniProt Primary Accession #** | Q13480 |
| **UniProt Secondary Accession #** | Q4W5G2; Q6P1W2; A8K152 |
| **UniProt Related Accession #** | Q13480 |
| **GenBank Nucleotide #** | NM_002039.3 |
| **NCBI Official Full Name** | GRB2-associated-binding protein 1 isoform b |
| **NCBI Official Synonym Full Names** | GRB2-associated binding protein 1 |
| **NCBI Official Symbol** | GAB1 |
| **UniProt Protein Name** | GRB2-associated-binding protein 1 |
| **UniProt Synonym Protein Names** | GRB2-associated binder 1; Growth factor receptor bound protein 2-associated protein 1 |
| **Protein Family** | GPI transamidase component |
| **UniProt Gene Name** | GAB1 |
| **UniProt Entry Name** | GAB1_HUMAN |
| **NCBI Protein Information** | GRB2-associated-binding protein 1; GRB2-associated binder 1; growth factor receptor bound protein 2-associated protein 1 |
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