

# Anti-GAB1 Picoband Antibody

Catalog # ABO10222

## Product Information

---

|                          |                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                                 |
| <b>Primary Accession</b> | <a href="#">Q13480</a>                                                                                             |
| <b>Host</b>              | Rabbit                                                                                                             |
| <b>Reactivity</b>        | Human, Rat                                                                                                         |
| <b>Clonality</b>         | Polyclonal                                                                                                         |
| <b>Format</b>            | Lyophilized                                                                                                        |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for GRB2-associated-binding protein 1(GAB1) detection. Tested with WB in Human;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                               |

## Additional Information

---

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 2549                                                                                                                                                                                           |
| <b>Other Names</b>         | GRB2-associated-binding protein 1, GRB2-associated binder 1, Growth factor receptor bound protein 2-associated protein 1, GAB1                                                                 |
| <b>Calculated MW</b>       | 76616                                                                                                                                                                                          |
| <b>Application Details</b> | Western blot, 0.1-0.5 µg/ml, Human, Rat                                                                                                                                                        |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                      |
| <b>Protein Name</b>        | GRB2-associated-binding protein 1                                                                                                                                                              |
| <b>Contents</b>            | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                            |
| <b>Immunogen</b>           | A synthetic peptide corresponding to a sequence at the N-terminus of human GAB1 (72-109aa LTFNKKEFENSYIFDINTIDRIFYLVADSEEMNKWVR), different from the related mouse sequence by one amino acid. |
| <b>Purification</b>        | Immunogen affinity purified.                                                                                                                                                                   |
| <b>Cross Reactivity</b>    | No cross reactivity with other proteins.                                                                                                                                                       |
| <b>Storage</b>             | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.             |

## Protein Information

---

|                 |                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | GAB1                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b> | Adapter protein that plays a role in intracellular signaling cascades triggered by activated receptor-type kinases. Plays a role in FGFR1 signaling. Probably involved in signaling by the epidermal growth factor receptor (EGFR) and the insulin receptor (INSR). Involved in the MET/HGF-signaling pathway (PubMed: <a href="#">29408807</a> ). |

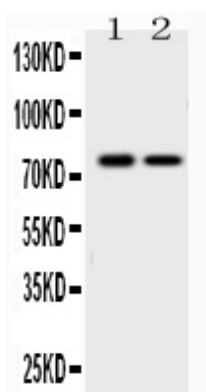
## Background

---

GRB2-associated-binding protein 1 is a protein that in humans is encoded by the GAB1 gene. It is mapped to 4q31.21. The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. It 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.

## Images

---



Western blot analysis of GAB1 expression in rat testis extract (lane 1) and K562 whole cell lysates (lane 2). GAB1 at 77KD was detected using rabbit anti- GAB1 Antigen Affinity purified polyclonal antibody (Catalog # ABO10222) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.