

## **GAB2 Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6908A

### **Specification**

## GAB2 Antibody (N-term) - Product Information

Application WB, FC,E Primary Accession Q9UQC2

Other Accession <u>O9EOH1</u>, <u>O9Z1S8</u>

Reactivity
Predicted
Host
Clonality
Isotype
Antigen Region

Human
Mouse, Rat
Rabbit
Polyclonal
Rabbit IgG
3-30

# GAB2 Antibody (N-term) - Additional Information

#### **Gene ID 9846**

#### **Other Names**

GRB2-associated-binding protein 2, GRB2-associated binder 2, Growth factor receptor bound protein 2-associated protein 2, pp100, GAB2, KIAA0571

### Target/Specificity

This GAB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-30 amino acids from the N-terminal region of human GAB2.

### **Dilution**

WB~~1:1000 FC~~1:10~50

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

GAB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## GAB2 Antibody (N-term) - Protein Information

#### Name GAB2





## Synonyms KIAA0571

**Function** Adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. Regulates osteoclast differentiation mediating the TNFRSF11A/RANK signaling. In allergic response, it plays a role in mast cells activation and degranulation through PI-3-kinase regulation. Also involved in the regulation of cell proliferation and hematopoiesis.

## **Cellular Location**

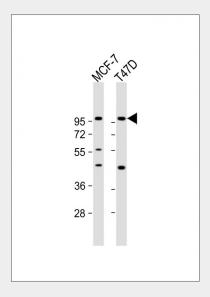
Cytoplasm. Cell membrane. Membrane raft {ECO:0000250|UniProtKB:Q9Z1S8}

## GAB2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

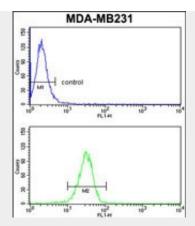
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## GAB2 Antibody (N-term) - Images



All lanes : Anti-GAB2 Antibody (N-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: T47D whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





GAB2 Antibody (N-term) (Cat.#AP6908a) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## GAB2 Antibody (N-term) - Background

GAB2 is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor.

## GAB2 Antibody (N-term) - References

Yamasaki,S., et.al., J. Biol. Chem. 276 (48), 45175-45183 (2001) GAB2 Antibody (N-term) - Citations

• In vivo multiplexed interrogation of amplified genes identifies GAB2 as an ovarian cancer oncogene.