

**Phospho-Gab1(Y654) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3108a****Specification**

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**Phospho-Gab1(Y654) Antibody Blocking peptide - Product Information**Primary Accession [Q13480](#)**Phospho-Gab1(Y654) Antibody Blocking peptide - Additional Information****Gene ID** 2549**Other Names**

GRB2-associated-binding protein 1, GRB2-associated binder 1, Growth factor receptor bound protein 2-associated protein 1, GAB1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP3108a was selected from a region of human Phospho-Gab1-Y654. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Phospho-Gab1(Y654) Antibody Blocking peptide - Protein Information****Name** GAB1**Function**

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="http://www.uniprot.org/citations/29408807" target="\_blank">29408807</a>).

**Phospho-Gab1(Y654) Antibody Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **Phospho-Gab1(Y654) Antibody Blocking peptide - Images**

### **Phospho-Gab1(Y654) Antibody Blocking peptide - Background**

The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. The encoded 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. Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).

### **Phospho-Gab1(Y654) Antibody Blocking peptide - References**

Podar, K., et al., J. Biol. Chem. 279(20):21658-21665 (2004).Ren, Y., et al., J. Biol. Chem. 279(9):8497-8505 (2004).Kapoor, G.S., et al., Mol. Cell. Biol. 24(2):823-836 (2004).Nakaoka, Y., et al., Circ. Res. 93(3):221-229 (2003).Holgado-Madruga, M., et al., Mol. Cell. Biol. 23(13):4471-4484 (2003).