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Gab1 Mutant Y659 Antibody Blocking Peptide

Synthetic peptide
Catalog # BP3110a

Specification

Gab1 Mutant Y659 Antibody Blocking Peptide - Product Information

Primary Accession Q13480

Gab1 Mutant Y659 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 AP3110a was selected from a region of human Gab1-Y659. 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.

Gab1 Mutant Y659 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:29408807).

Gab1 Mutant Y659 Antibody Blocking Peptide - Protocols

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

- Blocking Peptides

Gab1 Mutant Y659 Antibody Blocking Peptide - Images

Gab1 Mutant Y659 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).

Gab1 Mutant Y659 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).