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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PI3K-gamma/PIK3CG Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A01517-2-Fluoro647

About PIK3CG

Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform is an enzyme that in humans is encoded by the PIK3CG gene. Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit to form PI3K. This gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene.

Overview

Product Name	Anti-PI3K-gamma/PIK3CG Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P48736

Technical Details

Immunogen	E.coli-derived human PI3K-gamma/PIK3CG recombinant protein (Position: K52-D308).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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10 Publications Citing This Product

1. PubMed ID: 10.3892/mmr.2021.11938, Hydrogen sulfide ameliorates doxorubicin‐induced myocardial fibrosis in rats via the PI3K/AKT/mTOR pathway

2. PubMed ID: 10.1016/j.jare.2021.09.001, A comparative study of Mesenchymal Stem Cells transplantation approach to antagonize age-associated ovarian hypofunction with consideration of safety and efficiency

3. PubMed ID: 10.1016/j.envpol.2021.116556, Mechanisms underlying reproductive toxicity induced by nickel nanoparticles identified by comprehensive gene expression analysis in GC-1 spg cells

Visit bosterbio.com/anti-pi3k-gamma-pik3cg-picoband-trade-antibody-a01517-2-boster.html to see all 10 publications.

Anti-PI3K-gamma/PIK3CG Antibody - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.