

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human PI 3-Kinase p110γ in Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 304103
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PI 3-Kinase p110γ Lys298-Leu467 Accession # P48736
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Class I phosphoinositide 3-kinases (PI 3-Kinases) are dual-specific lipid and protein kinases involved in numerous intracellular signaling pathways. Class IA PI 3-Kinases (p110α, β and δ) are typically activated through receptor tyrosine kinase signaling, whereas p110γ, the single member of class IB, is activated by seven-transmembrane G-protein-coupled receptors (GPCRs). While p110α and β are ubiquitously expressed, expression of p110γ is mainly restricted to cells of the hematopoietic system.

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