

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat PI 3-Kinase p85α in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 572106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PI 3-Kinase p85α aa Lys519-Gly644 Accession # P27986
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

PI 3-Kinases phosphorylate the inositol ring on a variety of membrane-associated phosphatidylinositols. Class I phosphoinositide 3-kinases (PI 3-Kinases) are heterodimeric proteins that consist of a catalytic subunit of 110-120 kDa and an associated regulatory subunit. p85α is one of the regulatory subunits that associate with the class IA PI 3-Kinases. Composed of one SH3 and two SH2 domains, p85α functions as an adaptor, coupling catalytic p110 to activated receptor tyrosine kinases.

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