Human PIK3R5 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 601214

Catalog Number: FAB6388V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PIK3R5 in Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 601214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human PIK3R5 Lys530-Pro726 Accession # Q8WYR1
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

Phosphoinositide 3-kinase regulatory subunit 5 (PIK3R5; also PI3-kinase p101 subunit, PtdIns-3-kinase p101, and p101-PI3K) is a 97 kDa regulatory subunit of the PI3K gamma complex. It is expressed as a heterodimer with the catalytic subunit PIK3CG/p120. Human PIK3R5 is 880 amino acids (aa) in length. The heterodimerization region is made up of aa 25-101, and aa 653-753 comprise the region for interaction with G beta gamma proteins. A second 55 kDa isoform is formed by the deletion of aa 1-386. Human PIK3R5 is 86% aa identical to mouse PIK3R5. PIK3R5 is highly expressed in leukocytes, followed by spleen, lymph node, thymus, and bone marrow.

PRODUCT SPECIFIC NOTICES

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