Human PIK3R5 Antibody

Monoclonal Mouse IgG_{2A} Clone # 601214

Catalog Number: MAB6388

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

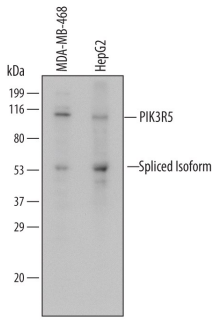
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA

Western Blot



Detection of Human PIK3R5 by Western Blot. Western blot shows lysates of MDA-MB-468 human breast cancer cell line and HepG2 human hepatocellular carcinoma cell line. PVDF Membrane was probed with 2 µg/mL of Human PIK3R5 Monoclonal Antibody (Catalog # MAB6388) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). Specific bands were detected for PIK3R5 at approximately 97 kDa and the spliced isoform at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956