

Human PI 3-Kinase p110δ Antibody

Monoclonal Mouse IgG_{2B} Clone # 275144 Catalog Number: MAB2687

| DESCRIPTION | | |
|--------------------|--|--|
| Species Reactivity | Human | |
| Specificity | Detects endogenous human PI 3-kinase p110δ in Western blots. | |
| Source | Monoclonal Mouse IgG _{2B} Clone # 275144 | |
| Purification | Protein A or G purified from hybridoma culture supernatant | |
| Immunogen | E. coli-derived recombinant human PI 3-Kinase p110δ Cys391-Phe542 Accession # 000329 | |
| 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 either lyophilized or as a 0.2 µm filtered solution in PBS. | |

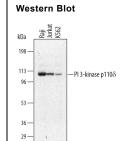
APPLICATIONS

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 | 1 μg/mL | See Below |

DATA

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Detection of Human PI 3-Kinase p110δ by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line, Jurkat human acute T cell leukemia cell line, and K562 human chronic myelogenous leukemia cell line. PVDF membrane was probed with 1 μg/mL of Human PI 3-Kinase p110δ Monoclonal Antibody (Catalog # MAB2687) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for PI 3-Kinase p110 delta at approximately 110 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.

| PREPARATION AND STORAGE | | |
|-------------------------|---|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. | |
| 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 months 2 to 8 °C under sterile conditions after reconstitution. | |

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Class IA phosphoinositide 3-kinases (PI 3-kinases) are a family of p85/p110 heterodimeric lipid kinases that function as signal transducers downstream of growth factor receptors, mainly receptor tyrosine kinases. Mammals express three class IA catalytic subunits: p110α, p110β, and p110δ. The p110δ subunit is expressed predominantly in leukocytes, indicating that it may play a role in immune signaling.

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