

Human PIK3R4 Antibody

Monoclonal Mouse IgG_{2A} Clone # 576514 Catalog Number: MAB6104

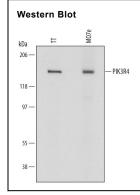
| DESCRIPTION | |
|--------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human PIK3R4 in Western blots. |
| Source | Monoclonal Mouse IgG _{2A} Clone # 576514 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | E. coli-derived recombinant human PIK3R4 Gln58-Arg230 Accession # Q99570 |
| 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 | 1 μg/mL | See Below |

DATA



Detection of Human PIK3R4 by Western Blot. Western blot shows lysates of TT human medullary thyroid cancer cell line and MO7e human megakaryocytic leukemic cell line. PVDF Membrane was probed with 1 μg/mL of Mouse Anti-Human PIK3R4 Monoclonal Antibody (Catalog # MAB6104) followed by HRPconjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for PIK3R4 at approximately 150 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

| FREFARATION 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. | | |

- 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

PIK3R4 (phosphoinositide 3-kinase regulatory subunit 4) is a 150 kDa, 1358 amino acid (aa) adaptor protein that enhances the lipid kinase activity of PIK3 complexes and may be involved in regulating membrane trafficking late in the endocytic pathway. It is a regulatory subunit of the PI3K complex and is ubiquitously expressed. Within aa 58-230, human PIK3R4 shares 99% aa identity with mouse and rat PIK3R4.

