

DESCRIPTION

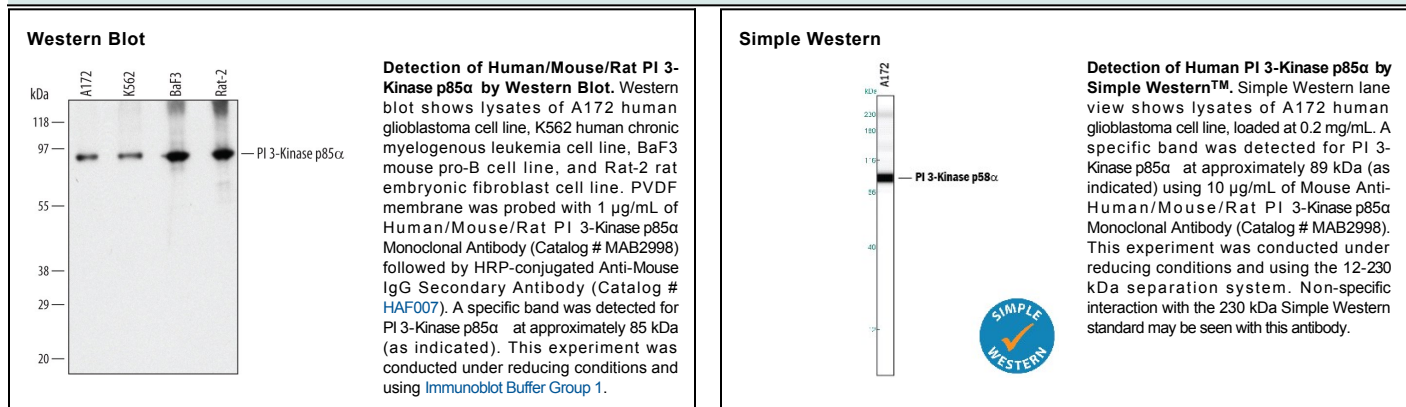
| | |
|---------------------------|---|
| Species Reactivity | Human/Mouse/Rat |
| Specificity | Detects endogenous human, mouse and rat PI 3-Kinase p85α in Western blots. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 572106 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human PI 3-Kinase p85α aa Lys519-Gly644 Accession # P27986 |
| 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 |
| Simple Western | 10 μg/mL | See Below |

DATA



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. <ul style="list-style-type: none"> • 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

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.