

## DESCRIPTION

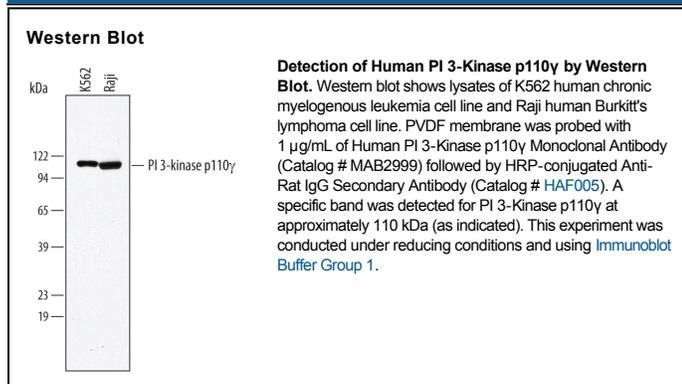
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects endogenous human PI 3-Kinase p110 $\gamma$ in Western blots.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 304103
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human PI 3-Kinase p110 $\gamma$ Lys298-Leu467 Accession # P48736
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m 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
<b>Western Blot</b>	1 $\mu$ g/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Class I phosphoinositide 3-kinases (PI 3-Kinases) are dual-specific lipid and protein kinases involved in numerous intracellular signaling pathways. Class IA PI 3-Kinases (p110 $\alpha$ ,  $\beta$  and  $\delta$ ) are typically activated through receptor tyrosine kinase signaling, whereas p110 $\gamma$ , the single member of class IB, is activated by seven-transmembrane G-protein-coupled receptors (GPCRs). While p110 $\alpha$  and  $\beta$  are ubiquitously expressed, expression of p110 $\gamma$  is mainly restricted to cells of the hematopoietic system.