

## Product datasheet for **AP53306PU-N**

### PIK3R5 (C-term) Rabbit Polyclonal Antibody

#### Product data:

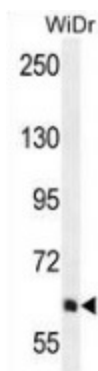
Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	<b>Flow cytometry:</b> 1/10-1/50. <b>Immunohistochemistry on Paraffin sections:</b> 1/50-1/100. <b>Western blot:</b> 1/100-1/500. Enzyme immunoassay: 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 770-800aa) of human PIK3R5.
Specificity:	This antibody recognizes PIK3R5 at C-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphoinositide-3-kinase regulatory subunit 5
Database Link:	<a href="#">Entrez Gene 23533 Human</a> <a href="#">Q8WYR1</a>



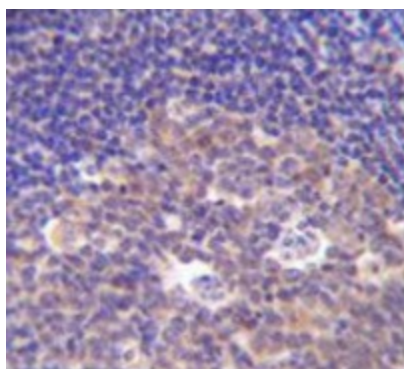
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- Background:** Receptor-regulated class I phosphoinositide 3-kinases (PI3Ks) phosphorylate the membrane lipid phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P<sub>2</sub>) to PtdIns(3,4,5)P<sub>3</sub>, which in turn recruits and activates cytosolic effectors involved in proliferation, survival, or chemotaxis. PIK3R5 is a PI3K regulatory subunit [*Brock et al., 2003; PubMed 12507995*].
- Synonyms:** p101-PI3K, FOAP-2, PI3-kinase regulatory subunit 5, PtdIns-3-kinase p101
- Note:** **Molecular Weight:** 55kd Isoform 2. 97348 Da
- Protein Families:** Druggable Genome
- Protein Pathways:** Acute myeloid leukemia, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Glioma, Insulin signaling pathway, Jak-STAT signaling pathway, Leukocyte transendothelial migration, Melanoma, mTOR signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Phosphatidylinositol signaling system, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus, VEGF signaling pathway

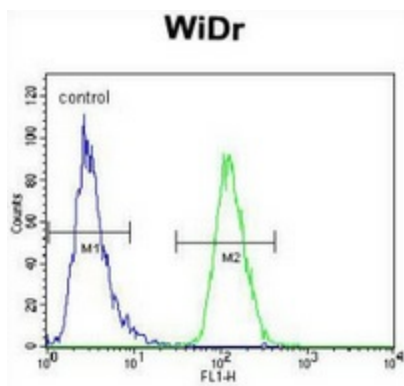
### Product images:



Western blot analysis in WiDr cell line lysates (35ug/lane) using PIK3R5 antibody. (C-term). This demonstrates the PIK3R5 antibody detected the PIK3R5 protein (arrow).



Immunohistochemistry analysis in human tonsil tissue (Formalin-fixed, Paraffin-embedded) using PIK3R5 antibody. (C-term), followed by peroxidase conjugated secondary antibody and DAB staining. This data demonstrates the use of PIK3R5 antibody for IHC. Clinical relevance has not been evaluated.



Flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram) using PIK3R5 antibody. (C-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.