



Datasheet for ABIN954145  
**anti-PIK3R5 antibody (C-Term)**



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3 Images

Overview

|                      |   |
|----------------------|---|
| Quantity:            | 0.4 mL  |
| Target:              | PIK3R5  |
| Binding Specificity: | AA 770-800, C-Term  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This PIK3R5 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

|                             |  |
|-----------------------------|--|
| Immunogen:                  | Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 770-800aa) of human PIK3R5. |
| Isotype:                    | Ig Fraction  |
| Specificity:                | This antibody recognizes PIK3R5 at C-term.   |
| Cross-Reactivity (Details): | Species reactivity (tested):Human  |
| Purification:               | Purified through a Protein A column followed by peptide affinity purification                                    |

Target Details

|         |        |
|---------|--------|
| Target: | PIK3R5 |
|---------|--------|

## Target Details

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|                   |   |
|-------------------|---|
| Alternative Name: | PIK3R5 ( <a href="#">PIK3R5 Products</a> )  |
| Background:       | <p>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.</p> <p>PIK3R5 is a PI3K regulatory subunit [Brock et al., 2003, PubMed 12507995]. Synonyms: FOAP-2, PI3-kinase regulatory subunit 5, Phosphoinositide 3-kinase regulatory subunit 5, PtdIns-3-kinase p101, p101-PI3K</p> |
| Gene ID:          | 23533   |
| NCBI Accession:   | <a href="#">NP_001136105</a>  |
| Pathways:         | <a href="#">PI3K-Akt Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">VEGF Signaling</a>  |

## Application Details

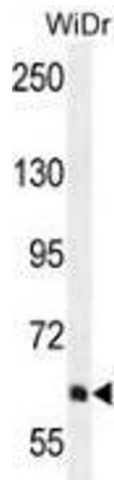
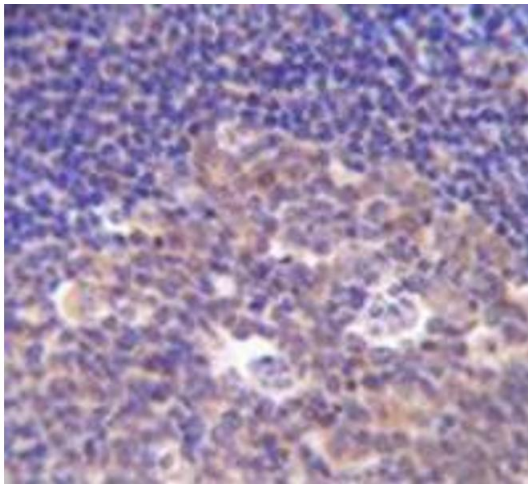
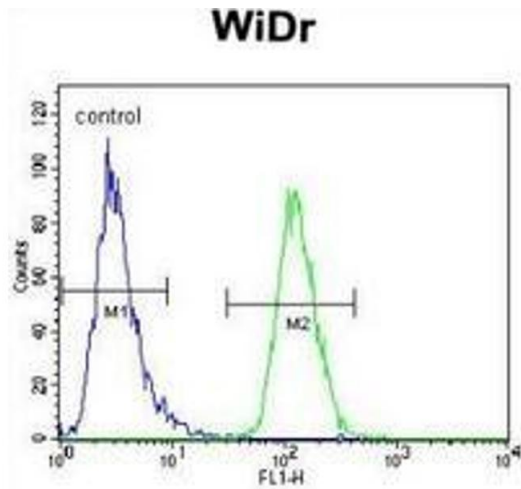
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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.25 mg/mL   |
| Buffer:            | PBS with 0.09 % (W/V) Sodium azide   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.   |
| Storage:           | 4 °C/-20 °C  |
| Storage Comment:   | Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.   |



### Flow Cytometry

**Image 1.** 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.

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** 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.

### Western Blotting

**Image 3.** 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).