

Datasheet for ABIN5651077  
**anti-PIK3CA antibody (AA 150-250) (PerCP)**



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1 Image

## Overview

|                      |                                             |
|----------------------|---------------------------------------------|
| Quantity:            | 100 µg                                      |
| Target:              | PIK3CA                                      |
| Binding Specificity: | AA 150-250                                  |
| Reactivity:          | Mouse                                       |
| Host:                | Rabbit                                      |
| Clonality:           | Polyclonal                                  |
| Conjugate:           | This PIK3CA antibody is conjugated to PerCP |
| Application:         | Western Blotting (WB)                       |

## Product Details

|               |                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------|
| Immunogen:    | Synthetic peptide of Human PIK3CA (150-250 aa), conjugated to Keyhole Limpet Haemocyanin (KLH). |
| Specificity:  | Detects 55.7 kDa.                                                                               |
| Purification: | Peptide Affinity Purified                                                                       |

## Target Details

|                   |                                            |
|-------------------|--------------------------------------------|
| Target:           | PIK3CA                                     |
| Alternative Name: | PIK3CA ( <a href="#">PIK3CA Products</a> ) |
| Gene ID:          | 5290                                       |
| NCBI Accession:   | <a href="#">NP_006209</a>                  |

## Target Details

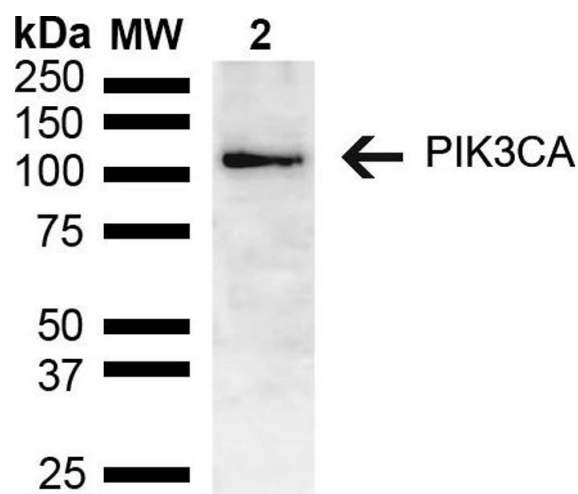
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">P42336</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Pathways: | <a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">VEGF Signaling</a> |

## Application Details

|                    |                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>                                                            |
| Comment:           | A 1:1000 dilution of ABIN5651077 was sufficient for detection of PIK3CA in 15 µg of mouse brain cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody. |
| Restrictions:      | For Research Use only                                                                                                                                                                             |

## Handling

|                    |                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                  |
| Concentration:     | 1 mg/mL                                                                                                                 |
| Buffer:            | PBS pH 7.4, 50 % glycerol, 0.09 % 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. |
| Storage:           | -20 °C                                                                                                                  |



**Western Blotting**

**Image 1.** Western blot analysis of Mouse brain lysate showing detection of ~55.7 kDa PIK3CA protein using Rabbit Anti-PIK3CA Polyclonal Antibody (ABIN5651077). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse brain lysate. Load: 15 µg. Block: 5 % Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-PIK3CA Polyclonal Antibody (ABIN5651077) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit HRP:IgG at 1:3000 for 1 hour at RT. Color Development: ECL solution for 5 min at RT. Predicted/Observed Size: ~55.7 kDa.