

## PIK3R3 Antibody

Catalog No: #37373

Package Size: #37373 100ul

## Description

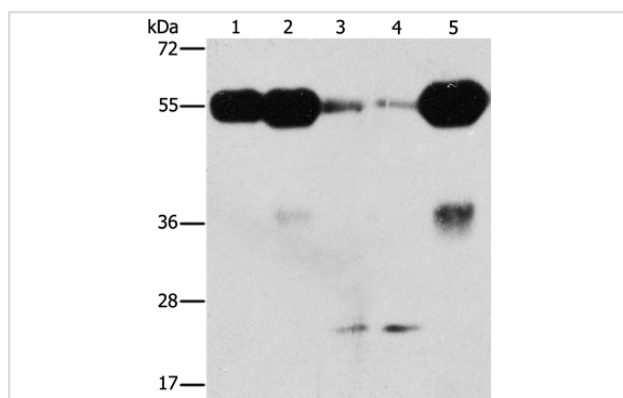
|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | PIK3R3 Antibody                                                                                                                             |
| Host Species          | Rabbit                                                                                                                                      |
| Clonality             | Polyclonal                                                                                                                                  |
| Purification          | Antigen affinity purification.                                                                                                              |
| Applications          | WB IHC                                                                                                                                      |
| Species Reactivity    | Hu Ms                                                                                                                                       |
| Specificity           | The antibody detects endogenous levels of total PIK3R3 protein.                                                                             |
| Immunogen Type        | Peptide                                                                                                                                     |
| Immunogen Description | Synthetic peptide corresponding to a region derived from internal residues of human phosphoinositide-3-kinase, regulatory subunit 3 (gamma) |
| Conjugates            | Unconjugated                                                                                                                                |
| Target Name           | PIK3R3                                                                                                                                      |
| Other Names           | p55; p55-GAMMA                                                                                                                              |
| Accession No.         | Swiss-Prot#: Q92569NCBI Gene ID: 8503Gene Accssion: NP_001107644                                                                            |
| SDS-PAGE MW           | 54kd                                                                                                                                        |
| Concentration         | 1mg/ml                                                                                                                                      |
| Formulation           | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                                                             |
| Storage               | Store at -20°C                                                                                                                              |

## Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 10%SDS-PAGE

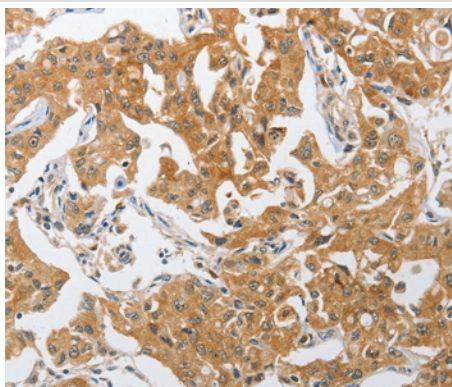
Lysates (from left to right): Mouse brain, human fetal brain and mouse testis tissue, hela cell and human fetal kidney tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/250 dilution

Secondary antibody dilution: 1/8000

Exposure time: 2 minutes



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #37373 at dilution 1/25.

## Background

Phosphatidylinositol 3-kinase is a lipid kinase that phosphorylates the inositol ring of phosphatidylinositol and related compounds at the 3B'B—position. PI 3-kinase p55 (PIK3R3) is comprised of a catalytic subunit and a regulatory subunit. The human p55 protein is composed of a rare amino terminal region followed by a proline-rich motif and two Src homology 2 (SH2) domains. PI 3-kinase p55 mRNAs are expressed in most human fetal and adult tissues; predominant expression is observed in the adult testis. Splice variant(s) of PI 3-kinase p55 have been identified; one of which has a deletion of 36 amino acids at the amino terminus and another which has an insertion of 59 amino acids at position 256 between the SH2 domains. Research suggests that PI 3-kinase p55 interacts with the IGFIR (Insulin-like growth factor-I receptor) and IR (Insulin receptor) and may be involved in PI 3-kinase activation by these receptors.

## Published Papers

Yan Xia Yu;Hai Jian Wu;Bing Xu Tan;Chen Qiu;Hui Zhong Liu et al., CSF-1R regulates non-small cell lung cancer cells dissemination through Wnt3a signaling., , (2017)

[PMID:29218239](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.