

PIK3R3 Antibody

Catalog No: #37373

Package Size: #37373-1 50ul #37373-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

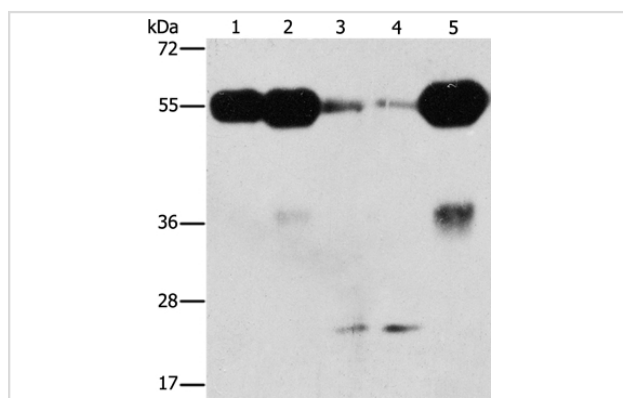
Product Name	PIK3R3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total PIK3R3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide 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 pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE

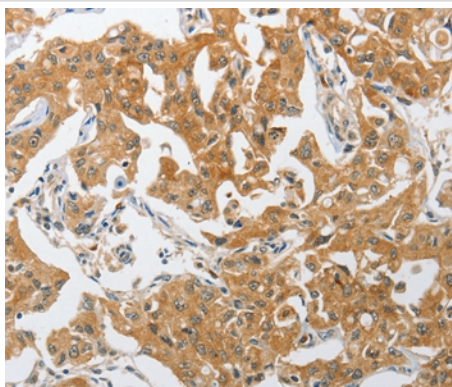
Lysates (from left to right): Mouse brain, human fetal brain and mouse testis tissue, hela cell and human fetal kidney tissue

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.