ARG67111
anti-PIK3R5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PIK3R5
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIK3R5
Species	Human
Immunogen	Human PIK3R5 Synthesized peptide
Conjugation	Un-conjugated
Alternate Names	PIK3R5; Phosphoinositide-3-Kinase Regulatory Subunit 5; P101-PI3K; P101; Phosphatidylinositol 4,5-Bisphosphate 3-Kinase Regulatory Subunit; Phosphoinositide 3-Kinase Regulatory Subunit 5; PI3-Kinase P101 Subunit; PtdIns-3-Kinase P101; Protein FOAP-2; Phosphoinositide-3-Kinase, Regulatory Subunit 5; PtdIns-3-Kinase Regulatory Subunit; PI3-Kinase Regulatory Subunit 5; F730038I15Rik; FOAP-2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50-1:200
IHC-P	1:100-1:300
WB	1:500-2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

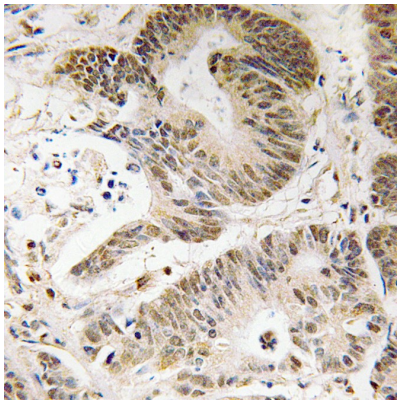
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	PIK3R5
Gene Full Name	Phosphoinositide-3-Kinase Regulatory Subunit 5
Background	Phosphatidylinositol 3-kinases (PI3Ks) phosphorylate the inositol ring of phosphatidylinositol at the 3-prime position, and play important roles in cell growth, proliferation, differentiation, motility, survival and intracellular trafficking. The PI3Ks are divided into three classes: I, II and III, and only the class I PI3Ks are involved in oncogenesis. This gene encodes the 101 kD regulatory subunit of the class I PI3K gamma complex, which is a dimeric enzyme, consisting of a 110 kD catalytic subunit gamma and a regulatory subunit of either 55, 87 or 101 kD. This protein recruits the catalytic subunit from the cytosol to the plasma membrane through high-affinity interaction with G-beta-gamma proteins. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found.
Function	Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG.
Calculated Mw	97 kDa
PTM	Acetylation, Phosphoprotein
Cellular Localization	Cell membrane, Cytoplasm, Membrane, Nucleus

Images



ARG67111 anti-PIK3R5 antibody IHC-P image

Immunohistochemistry: Human colon carcinoma stained with ARG67111 anti-PIK3R5 antibody.