

ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PIK3R3 / PI3K p55 gamma
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIK3R3 / PI3K p55 gamma
Species	Human
Immunogen	Synthetic peptide derived from Human PIK3R3 / PI3K p55 gamma.
Conjugation	Un-conjugated
Alternate Names	PtdIns-3-kinase regulatory subunit p55-gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit gamma; p55-GAMMA; p55PIK; PI3K regulatory subunit gamma; p55; PI3-kinase regulatory subunit gamma; Phosphatidylinositol 3-kinase regulatory subunit gamma; Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	
Observed Size	~ 50 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.

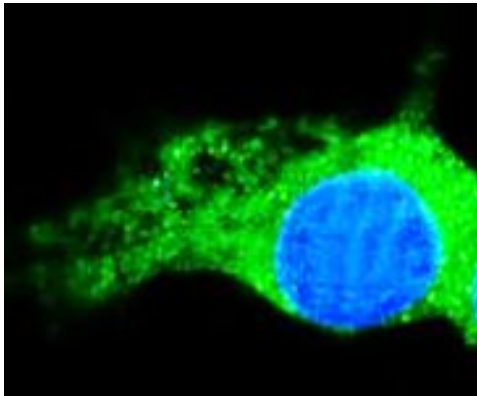
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

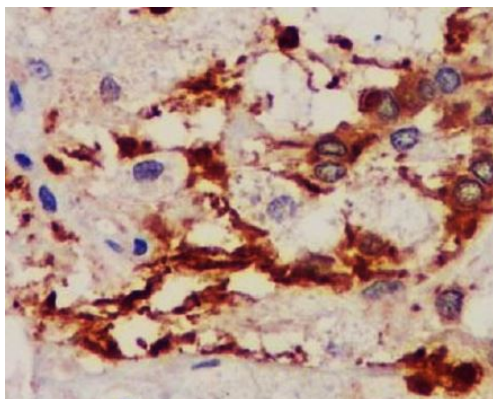
Gene Symbol	PIK3R3
Gene Full Name	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
Background	Phosphatidylinositol 3-kinase (PI3K) phosphorylates phosphatidylinositol and similar compounds, which then serve as second messengers in growth signaling pathways. PI3K is composed of a catalytic and a regulatory subunit. The protein encoded by this gene represents a regulatory subunit of PI3K. The encoded protein contains two SH2 domains through which it binds activated protein tyrosine kinases to regulate their activity. [provided by RefSeq, Jun 2016]
Function	Binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1. [UniProt]
Calculated Mw	54 kDa

Images



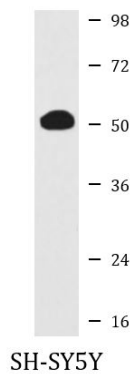
ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody ICC/IF image

Immunofluorescence: C6 cells stained with ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody (green).



ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human astrocytoma tissue stained with ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody.



ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody WB image

Western blot: SH-SY5Y cell lysate stained with ARG43246 anti-PIK3R3 / PI3K p55 gamma antibody.