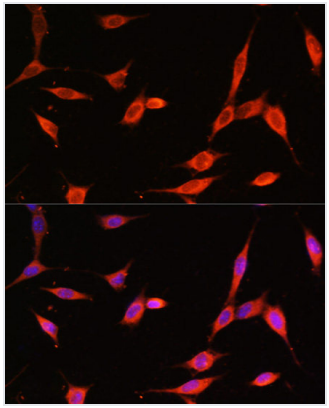
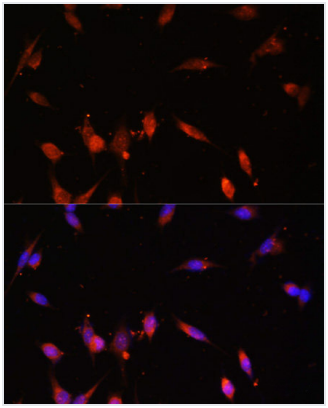
PIK3R3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIK3R3, Polyclonal Antibody
Full Product Name	PIK3R3 Polyclonal Antibody
Product Gene Name	anti-PIK3R3 antibody
Product Synonym Names	PIK3R3; p55; p55-GAMMA; p55PIK
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	461
OMIM	606076
3D Structure	ModBase 3D Structure for Q92569
Immunogen	Recombinant protein of human PIK3R3
Conjugation	Unconjugated
Product Categories/Family for anti-PIK3R3 antibody	Signal Transduction; Polyclonal Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PIK3R3 antibody	Immunofluorescence (IF)
Application Notes for anti-PIK3R3 antibody	IF: 1:50-1:100
Related Product Information for anti-PIK3R3 antibody	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.
Other Notes	Small volumes of anti-PIK3R3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PIK3R3 purchase	MBS2565936 is an antibody targeting PIK3R3. Also known as PIK3R3 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunofluorescence (IF) of anti-PIK3R3 antibody
Immunofluorescence analysis of NIH-3T3 cells using PIK3R3 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence (IF) of anti-PIK3R3 antibody
Immunofluorescence analysis of NIH-3T3 cells using PIK3R3 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIK3R3. It may not necessarily be applicable to this product.

NCBI GI #	317373310
NCBI GeneID	8503
NCBI Accession #	Q92569.2
UniProt Primary Accession #	Q92569
UniProt Secondary Accession #	O60482; Q5T4P1; Q5T4P2; B2R9C1; D3DQ12
UniProt Related Accession #	Q92569
NCBI Official Full Name	Phosphatidylinositol 3-kinase regulatory subunit gamma
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
NCBI Official Symbol	PIK3R3
NCBI Official Synonym Symbols	p55; p55PIK; p55-GAMMA
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit gamma
UniProt Synonym Protein Names	Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma; p55PIK
Protein Family	Phosphatidylinositol 3-kinase regulatory
UniProt Gene Name	PIK3R3
UniProt Synonym Gene Names	PI3-kinase regulatory subunit gamma; PI3K regulatory subunit gamma; PtdIns-3-kinase regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma
UniProt Entry Name	P55G_HUMAN
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit gamma; PI3-kinase subunit p55-gamma; PI3K regulatory subunit gamma; PI3-kinase regulatory subunit gamma; ptdIns-3-kinase regulatory subunit p55-gamma; phosphatidylinositol 3-kinase 55 kDa regulatory subunit

UniProt Comments for PIK3R3	PIK3R3: 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. Heterodimer of a regulatory subunit PIK3R3 and a p110 catalytic subunit (PIK3CA, PIK3CB or PIK3CD). Interacts with AXL. Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle. Belongs to the PI3K p85 subunit family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Kinase, lipid Chromosomal Location of Human Ortholog: 1p34.1 Cellular Component: cytosol; phosphoinositide 3-kinase complex Molecular Function: protein binding; 1-phosphatidylinositol-3-kinase activity; phosphoinositide 3-kinase regulator activity Biological Process: phospholipid metabolic process; phosphatidylinositol biosynthetic process; insulin receptor signaling pathway; regulation of phosphoinositide 3-kinase activity
Research Articles on PIK3R3	**1.** Containing the N24 of PI3K-p55PIK.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/pik3r3/2565936