

Rabbit PI 3 Kinase p55 gamma Monoclonal Antibody | anti-PIK3R3 antibody

Anti-PI 3 Kinase p55 gamma Rabbit Monoclonal Antibody

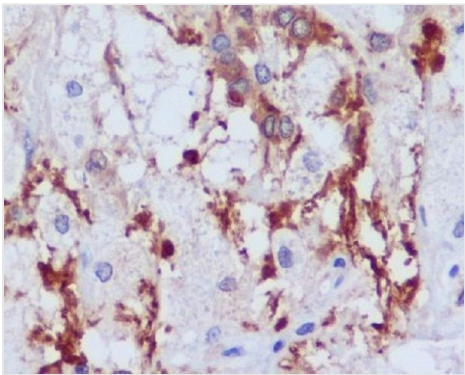
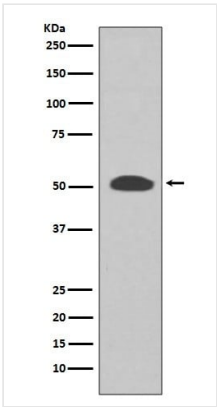
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124490	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

PI 3 Kinase p55 gamma; Monoclonal Antibody; Anti-PI 3 Kinase p55 gamma Rabbit Monoclonal Antibody; Phosphatidylinositol 3-kinase regulatory subunit gamma; PI3-kinase regulatory subunit gamma; PI3K regulatory subunit gamma; PtdIns-3-kinase regulatory subunit gamma; Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma; p55PIK; PIK3R3; anti-PIK3R3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	366
Applicable Applications for anti-PIK3R3 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human PI 3 Kinase p55 gamma
Tissue Specificity	Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human astrocytoma, using PI 3 Kinase p55 gamma Antibody(AAA124490)PIK3R3 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PIK3R3 Antibody (AAA124490)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)
Western blot analysis of PI 3 Kinase p55 gamma expression in SH-SY5Y cell lysate (AAA124490).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PIK3R3 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PIK3R3

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R3 antibody	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.
Product Categories/Family for anti-PIK3R3 antibody	Signal Transduction; Signaling Pathway; Lipid Signaling; lipid Kinases; Cancer; Immunology; Innate Immunity; TLR Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795247
NCBI GeneID	8503
NCBI Accession #	NP_001107644.1
NCBI GenBank Nucleotide #	NM_001114172.1
UniProt Accession #	Q92569; O60482; Q5T4P1; Q5T4P2; B2R9C1; D3DQ12
Molecular Weight	54448 MW
NCBI Official Full Name	phosphatidylinositol 3-kinase regulatory subunit gamma isoform 1
NCBI Official Synonym Full Names	phosphoinositide-3-kinase regulatory subunit 3
NCBI Official Symbol	PIK3R3
NCBI Official Synonym Symbols	p55; p55PIK; p55-GAMMA
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit gamma
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit gamma
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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pi-3-kinase-p55-gamma-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-elisa/124490>