

Rabbit anti-Human PIK3R5 Polyclonal Antibody | anti-PIK3R5 antibody

PIK3R5 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285763	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

PIK3R5; Polyclonal Antibody; PIK3R5 Antibody (C-term); Phosphoinositide 3-kinase regulatory subunit 5; PI3-kinase regulatory subunit 5; PI3-kinase p101 subunit; Phosphatidylinositol 4; 5-bisphosphate 3-kinase regulatory subunit; PtdIns-3-kinase regulatory subunit; Protein FOAP-2; PtdIns-3-kinase p101; p101-PI3K; anti-PIK3R5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIK3R5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 763-792 amino acids from the C-terminal region of human PIK3R5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.46 (varies by lot)
Sequence Positions	763-792
Sequence Length	880
Applicable Applications for anti-PIK3R5 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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 (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:O02696}. Cytoplasm {ECO:0000250 UniProtKB:O02696}. Cell membrane {ECO:0000250 UniProtKB:O02696}; Peripheral membrane protein {ECO:0000250 UniProtKB:O02696}. Note=Predominantly localized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner. {ECO:0000250 UniProtKB:O02696}
Tissue Location	Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli
Preparation and Storage	Maintain refrigerated at 2-8°C up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
PIK3R5 Antibody (C-term) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
PIK3R5 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PIK3R5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PIK3R5 Antibody (C-term) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the PIK3R5 antibody detected the PIK3R5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R5 antibody	Receptor-regulated class I phosphoinositide 3-kinases (PI3Ks) phosphorylate the membrane lipid phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) to PtdIns(3,4,5)P3, which in turn recruits and activates cytosolic effectors involved in proliferation, survival, or chemotaxis. PIK3R5 is a PI3K regulatory subunit (Brock et al., 2003 [PubMed 12507995]).
Product Categories/Family for anti-PIK3R5 antibody	Signal Transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Segat, L., et al. Vaccine 28(10):2201-2206(2010) Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009) Johnson, C., et al. Oncogene 26(49):7049-7057(2007) Suire, S., et al. Curr. Biol. 15(6):566-570(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330639
NCBI GeneID	23533
NCBI Accession #	NP_001136105.1; NP_001238780.1; NP_001238781.1; NP_001238782.1; NP_001238784.1; NP_055123.2
NCBI GenBank Nucleotide #	NM_001142633.2
UniProt Accession #	Q8WYR1; Q5G936; Q5G938; Q5G939; Q8IZ23; Q9Y2Y2; B0LPH4; D3DTS3
Molecular Weight	97348
NCBI Official Full Name	phosphoinositide 3-kinase regulatory subunit 5 isoform 1
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 5
NCBI Official Symbol	PIK3R5
NCBI Official Synonym Symbols	p101; FOAP-2; P101-PI3K; F730038I15Rik
NCBI Protein Information	phosphoinositide 3-kinase regulatory subunit 5
UniProt Protein Name	Phosphoinositide 3-kinase regulatory subunit 5
UniProt Gene Name	PIK3R5

UniProt Synonym Gene Names	PI3-kinase regulatory subunit 5; PtdIns-3-kinase regulatory subunit
UniProt Entry Name	PI3R5_HUMAN

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/polyclonal/pik3r5-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285763>