Rabbit PIK3R2 Polyclonal Antibody | anti-PIK3R2 antibody

PIK3R2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284557	**Rabbit**	**Human (Predicted Reactivity: Bovine, Mouse, Rat)**	**Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

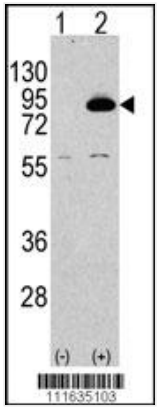
PIK3R2; Polyclonal Antibody; PIK3R2 Antibody (N-term); Phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase regulatory subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; PI3-kinase subunit p85-beta; PtdIns-3-kinase regulatory subunit p85-beta; anti-PIK3R2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIK3R2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PIK3R2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	728
Applicable Applications for anti-PIK3R2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PIK3R2 Antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PIK3R2 Antibody (N-term) polyclonal antibody (arrow). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PIK3R2 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3R2 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. PIK3R2 binds to activated Protein Tyrosine Kinases, which are phosphorylated, through its SH2 domain, and acts as an adaptor, mediating the association of the P110 catalytic unit to the plasma membrane.
Product Categories/Family for anti-PIK3R2 antibody	Cancer; Cell Biology; Immunology; Signal Transduction
References	Khan, N.A., et al., J. Neurovirol. 9(6):584-593 (2003). Deregibus, M.C., et al., J. Biol. Chem. 277(28):25195-25202 (2002). Cook, J.A., et al., J. Immunol. 169(1):254-260 (2002). Park, I.W., et al., Blood 97(2):352-358 (2001). Zauli, G., et al., FASEB J. 15(2):483-491 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826908
NCBI GeneID	5296
NCBI Accession #	NP_005018.1
NCBI GenBank Nucleotide #	NM_005027.3
UniProt Accession #	O00459; Q5EAT5; Q9UPH9
Molecular Weight	81545
NCBI Official Full Name	phosphatidylinositol 3-kinase regulatory subunit beta
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 2 (beta)
NCBI Official Symbol	PIK3R2
NCBI Official Synonym Symbols	p85; MPPH; P85B; MPPH1; p85-BETA
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit beta

UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit beta
UniProt Gene Name	**PIK3R2**
UniProt Synonym Gene Names	PI3-kinase regulatory subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta; PtdIns-3-kinase regulatory subunit p85-beta
UniProt Entry Name	P85B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/pik3r2-antibody-immunohistochemistry-western-blot-elisa/284557