PIK3R2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIK3R2, Polyclonal Antibody
Full Product Name	PIK3R2 (Y467) (PIK3R2, Phosphatidylinositol 3-kinase regulatory subunit beta, Phosphatidylinositol 3-kinase 85kD regulatory subunit beta) (MaxLight 490)
Product Gene Name	anti-PIK3R2 antibody
Product Synonym Names	PIK3R2; Phosphatidylinositol 3-kinase regulatory subunit beta; Phosphatidylinositol 3-kinase 85kD regulatory subunit beta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	728
Chromosome Location	Chromosome: 19; NC_000019.9 (18263988..18281343). Location: 19q13.2-q13.4
OMIM	603157
3D Structure	ModBase 3D Structure for O00459
Immunogen	PIK3R2 antibody is generated from rabbits immunized with a peptide corresponding to amino acid residues surrounding Y467 of human PIK3R2.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PIK3R2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PIK3R2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PIK3R2 antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.
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 References and Citations for anti-PIK3R2 antibody	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).
Other Notes	Small volumes of anti-PIK3R2 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 PIK3R2 purchase	MBS6334064 is an antibody targeting PIK3R2. Also known as PIK3R2 (Y467) (PIK3R2, Phosphatidylinositol 3-kinase regulatory subunit beta, Phosphatidylinositol 3-kinase 85kD regulatory subunit beta) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIK3R2. It may not necessarily be applicable to this product.

NCBI GI #	4826908
NCBI GeneID	5296
NCBI Accession #	NP_005018.1
UniProt Primary Accession #	O00459
UniProt Secondary Accession #	Q5EAT5; Q9UPH9
UniProt Related Accession #	O00459
GenBank Nucleotide #	NM_005027.3
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; p85-BETA
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit beta
UniProt Synonym Protein Names	Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta
Protein Family	Phosphatidylinositol 3-kinase regulatory
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
UniProt Entry Name	P85B_HUMAN
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase subunit p85-beta; PI3K regulatory subunit beta; ptdIns-3-kinase regulatory subunit p85-beta; phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; phosphatidylinositol 3-kinase, reg
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