PIK3CB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIK3CB, Polyclonal Antibody
Full Product Name	PIK3CB, NT (S139) (PIK3CB, PIK3C1, Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform, Phosphatidylinositol 4,5-bisphosphate 3-kinase 110kD catalytic subunit beta) (MaxLight 490)
Product Gene Name	anti-PIK3CB antibody
Product Synonym Names	PIK3CB; PIK3C1; Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform; Phosphatidylinositol 4,5-bisphosphate 3-kinase 110kD catalytic 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	1070
Chromosome Location	Chromosome: 3; NC_000003.11 (138371540..138553780, complement). Location: 3q22.3
OMIM	602925
3D Structure	ModBase 3D Structure for P42338
Immunogen	PIK3CB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PIK3CB.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-PIK3CB antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PIK3CB antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-PIK3CB antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-PIK3CB 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. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

Other Notes	Small volumes of anti-PIK3CB 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 PIK3CB purchase	MBS6333987 is an antibody targeting PIK3CB. Also known as PIK3CB, NT (S139) (PIK3CB, PIK3C1, Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform, Phosphatidylinositol 4,5-bisphosphate 3-kinase 110kD catalytic subunit beta) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIK3CB. It may not necessarily be applicable to this product.

NCBI GI #	365777411
NCBI GeneID	5291
NCBI Accession #	NP_001242974.1
UniProt Primary Accession #	P42338
UniProt Secondary Accession #	Q24JU2; D3DNF0
UniProt Related Accession #	P42338
GenBank Nucleotide #	NM_001256045.1
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform isoform 2
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
NCBI Official Symbol	PIK3CB
NCBI Official Synonym Symbols	PI3K; PIK3C1; P110BETA; PI3KBETA
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform
UniProt Synonym Protein Names	Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit beta
Protein Family	Phosphatidylinositol 4,5-bisphosphate 3-kinase
UniProt Gene Name	PIK3CB
UniProt Synonym Gene Names	PIK3C1; PI3-kinase subunit beta; PI3K-beta; PI3Kbeta; PtdIns-3-kinase subunit beta; PtdIns-3-kinase subunit p110-beta; p110beta
UniProt Entry Name	PK3CB_HUMAN
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform; PI3K-beta; PtdIns-3-kinase p110; PI3-kinase subunit beta; PI3-kinase p110 subunit beta; ptdIns-3-kinase subunit beta; ptdIns-3-kinase subunit p110-beta; phosphoinositide-3-kina
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