

Rabbit anti-Human Phosphoinositide 3 Kinase, p110 beta Polyclonal Antibody | anti-PI3Kbeta antibody

Phosphoinositide 3 Kinase, p110 beta (DKFZp779K1237, MGC133043, p110beta, Phosphatidylinositol 3 Kinase Catalytic beta Polypeptide, Phosphatidylinositol-4,5-bisphosphate 3-kinase Catalytic Subunit beta Isoform, Phosphoinositide 3 Kinase Catalytic beta Pol

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26902	Rabbit	Human	Immunocytochemistry, Western Blot, Immunoprecipitation, Immunohistochemistry

PRODUCT SYNONYMS

Phosphoinositide 3 Kinase; p110 beta; Polyclonal Antibody; p110 beta (DKFZp779K1237; MGC133043; p110beta; Phosphatidylinositol 3 Kinase Catalytic beta Polypeptide; Phosphatidylinositol-4; 5-bisphosphate 3-kinase Catalytic Subunit beta Isoform; Phosphoinositide 3 Kinase Catalytic beta Pol; anti-PI3Kbeta antibody

PRODUCT SPECIFICATIONS

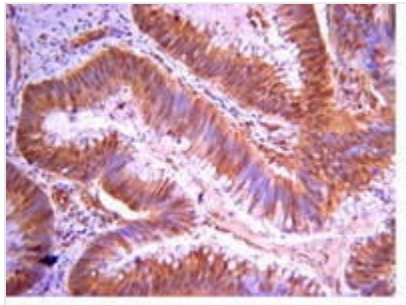
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes the internal domain of human PI3 Kinase, p110 beta. Species Sequence Homology: Monkey, canine, Rat and Mouse.
Purity/Purification	Purified by Immunoaffinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Applicable Applications for anti-PI3Kbeta antibody	ICC (Immunocytochemistry), FLISA, WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Application Notes	ICC: 1:100 FLISA: 0.5ng/well WB: 0.05-0.1ug/ml Applications are based on unconjugated antibody.
Immunogen	Synthetic linear peptide corresponding to the internal domain of PI3 Kinase, p110 beta (KLH).
Conjugate	MaxLight650
Positive Control	HEK-293 cell lysate
Note	Preservative Free
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES



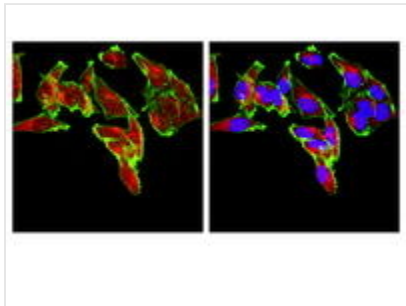
WB (Western Blot)

Western Blot Analysis: Representative lot data. Lysate from HEK-293 cells was resolved by electrophoresis, transferred to PVDF and probed with anti-PI3 Kinase, p110beta (0.05 ug/mL). Proteins were visualized using donkey anti-rabbit secondary antibody conjugated to HRP and chemiluminescence detection. Arrow indicates PI3 Kinase, p110beta (~110kD).



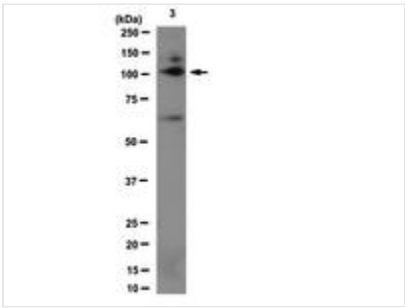
ICC (Immunocytochemistry)

Immunocytochemistry: PI3-Kinase, p110b staining of human skeletal muscle. Tissue pre-treated with Citrate pH 6.0 antigen-retrieval. diluted to 1:100, IHC-Select Detection with HRP-DAB. Immunoreactivity is seen as a staining pattern of cross banding striated muscle fibers.



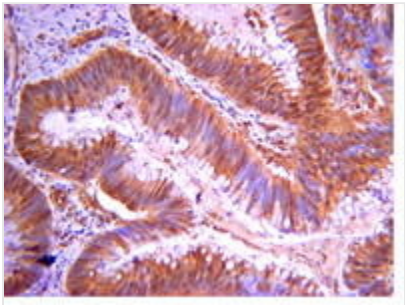
ICC (Immunocytochemistry)

Confocal Immunocytochemistry Analysis: HeLa cells were fixed, permeabilized, and stained with (Cy3, red), DAPI (blue, nuclei), and Phalloidin-AlexaFluor488 (actin, green). Figure on the left has the DAPI filter off.



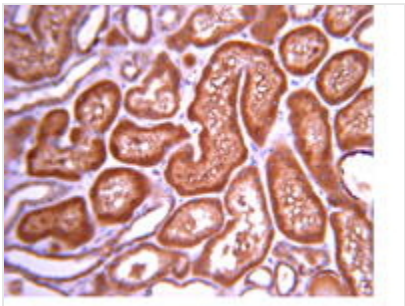
IP (Immunoprecipitation)

Immunoprecipitation: 10ug of was used to immunoprecipitate from 500ug of Jurkat whole cell lysate. The antibody was collected on Protein A beads and eluted with sample buffer. 5uL of Jurkat whole cell lysate was then resolved via SDS-PAGE, transferred to PVDF and probed with 0.5ug . Proteins were visualized using anti-rabbit-HRP conjugate and an ECL system.



ICC (Immunocytochemistry)

Immunocytochemistry: PI3-Kinase, p110b staining in colorectal carcinoma. Tissue pre-treated with Citrate pH 6.0 antigen-retrieval. diluted to 1:100, IHC-Select Detection with HRP-DAB. Immunoreactivity is seen as a plasma membrane staining pattern.



ICC (Immunocytochemistry)

Immunocytochemistry: PI3-Kinase, p110b staining of human kidney 2 mm array spot. Tissue pre-treated with Citrate pH 6.0 antigen-retrieval. diluted to 1:100, IHC-Select Detection with HRP-DAB. Immunoreactivity is seen as a staining to include the thin and distal microtubules.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PI3Kbeta antibody	Antibodies; Protein Kinases
References	1. Krasilnikov, M.A., Biochemistry Mosc. 65(1): 59-67 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	126302584
NCBI GeneID	5290
UniProt Accession #	P42336; Q14CW1; Q99762

Molecular Weight	1068
NCBI Official Full Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
NCBI Official Symbol	PIK3CA
NCBI Official Synonym Symbols	MCM; CWS5; MCAP; PI3K; CLOVE; MCMTC; p110-alpha
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform; PI3K-alpha; PI3-kinase p110 subunit alpha; ptdIns-3-kinase subunit p110-alpha; serine/threonine protein kinase PIK3CA; phosphatidylinositol 3-kinase, catalytic, 110-KD, alpha;
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform
UniProt Gene Name	PIK3CA
UniProt Synonym Gene Names	PI3-kinase subunit alpha; PI3K-alpha; PI3Kalpha; PtdIns-3-kinase subunit alpha; PtdIns-3-kinase subunit p110-alpha; p110alpha
UniProt Entry Name	PK3CA_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://www.aaabiotech.com/polyclonal/phosphoinositide-3-kinase-p110-beta-antibody-immunocytochemistry-western-blot-immunoprecipitation-immunohistochemistry-elisa/26902>