

Rabbit anti-Human PIK3CA/PI3K Alpha Polyclonal Antibody | anti-PIK3CA antibody

PIK3CA/PI3K Alpha Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA162942	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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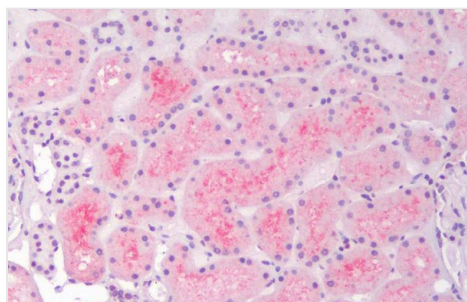
PRODUCT SYNONYMS

PIK3CA/PI3K Alpha; Polyclonal Antibody; PIK3CA/PI3K Alpha Rabbit anti-Human Polyclonal Antibody; PathPlus PIK3CA/PI3K Alpha Antibody; PIK3CA; MCAP; p110-alpha; p110alpha; PI3K; PI3-kinase p110 subunit alpha; PI3-kinase subunit alpha; PI3Kalpha; MCM; MCMTC; PI3K-alpha; PtdIns-3-kinase subunit alpha; CLOVE; anti-PIK3CA antibody

PRODUCT SPECIFICATIONS

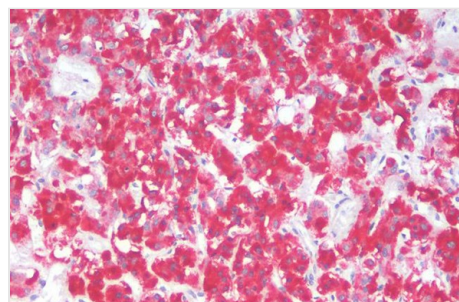
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PIK3CA antibody	IHC (Immunohistochemistry)
Target	Human PIK3CA/PI3K Alpha
Immunogen	LP-10594, synthetic peptide
Conjugation	Unconjugated
Family	Non-Protein Kinase
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



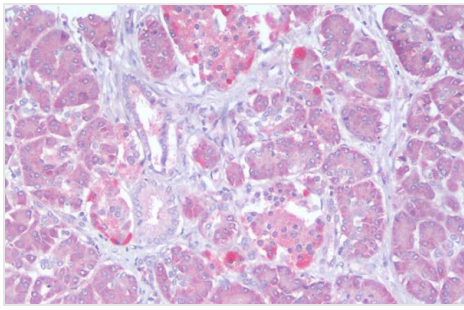
IHC (Immunohistochemistry)

PIK3CA/PI3K Alpha Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



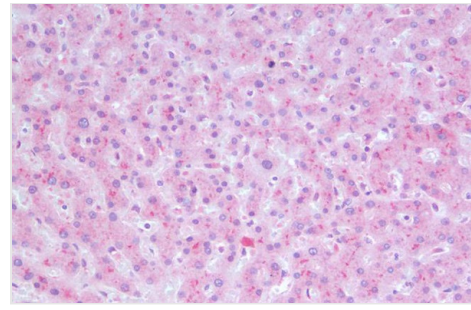
IHC (Immunohistochemistry)

PIK3CA/PI3K Alpha Antibody-Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

PIK3CA/PI3K Alpha Antibody-Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

PIK3CA/PI3K Alpha Antibody-Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3CA antibody	PI3K Alpha antibody is an unconjugated rabbit polyclonal antibody to PI3K Alpha (PIK3CA) from human. Validated for IHC. PIK3CA (phosphatidylinositol 3-kinase catalytic subunit, PI3K) is the catalytic subunit of a heterodimeric lipid kinase that is a member of a family that regulates cell growth, transformation, adhesion, apoptosis, survival and motility. Activation of PIK3CA by a growth factor bound receptor tyrosine kinase and downstream production of PIP3 drives pathways that are involved in tumor development and progression in a variety of cancers. PIK3CA kinase is frequently mutated or amplified in cancer, and gene amplifications, deletions and more recently, somatic missense mutations in the PIK3CA gene have been reported in many human cancer types including cancers of the colon, breast, brain, liver, stomach, cervix and lung. Staining is expected to be primarily cytoplasmic but may also localize to cell membranes. PIK3CA is widely expressed in normal tissues.
References	Br. J. Cancer 2006 94(4):455; Rosty, 2013; Chang, 2016; Xu, 2017; Oncogene 2000 19:2739

NCBI AND UNIPROT INFORMATION

NCBI GI #	54792082
NCBI GeneID	5290
NCBI Accession #	NP_006209.2
NCBI GenBank Nucleotide #	NM_006218
UniProt Accession #	P42336; Q14CW1; Q99762
Molecular Weight	124,284 Da
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; MCMT; PI3K-alpha; p110-alpha
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform
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.