PI3 Kinase p110 alpha Rabbit mAb

Catalog No	YP-Ab-17844
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,ICC/IF,IP
Gene Name	PIK3CA
Alternative Names	phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit alpha isoform; phosphoinositide-3-kinase catalytic alpha polypeptide; PI3-kinase p110 alpha; PI3K; PI3K p110-alpha; PK3CA; PtdIns-3-kinase p110
Research Field	Signal Transduction
Product Categories	Primary antibody
Host	Rabbit
Molecular Weight	Calculated MW: 124 kDa; Observed MW: 110 kDa
Clonality	Monoclonal Antibody
Clonality No.	R02-6C5
Dilution	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Immunogen	A synthesized peptide derived from human PI 3 Kinase catalytic subunit alpha
Purification	Affinity Chromatography
Conjugation	Unconjugated
Modification	Unmodified
Form	Liquid
Buffer System	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml
Purity	≥90%
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Background	Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns(4,5)P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3). PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDPK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response

to various growth factors.

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images