

Product Datasheet

PI 3 kinase p110 alpha Antibody

Catalog No: CY5224

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF IP



Information

UniProt ID: P42336

All Names: PI 3 Kinase catalytic subunit alpha; phosphoinositide-3-kinase catalytic alpha polypeptide; PI3-kinase p110 alpha; PI3K; PI3K p110-alpha; PK3CA; PIK3CA; PtdIns-3-kinase p110

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 110 kDa

Application

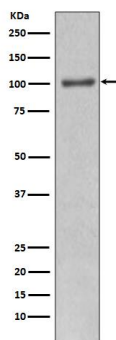
WB: 1:1000~1:2000

ICC/IF: 1:50~1:200

IP: 1:20

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.



Western blot analysis of PI 3 kinase p110 alpha expression in Jurkat cell lysate.

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