

Recombinant PI3 Kinase p110 delta Monoclonal Antibody

catalog number: AN301762L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

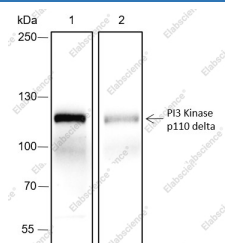
Reactivity	Human;Mouse
Immunogen	Recombinant human PI3 Kinase p110 delta fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C231384
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:5000
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Data



Western Blot with PI3 Kinase p110 delta Monoclonal Antibody at dilution of 1:5000. Lane 1: Raji, Lane 2: RAW264.7

Observed-MW:119 kDa

Calculated-MW:119 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta isoform (PIK3CD) belongs to Class I Phosphoinositide-3-kinase (PI3K) which phosphorylates phosphatidylinositol (PI) and its phosphorylated derivatives at position 3 of the inositol ring to produce 3-phosphoinositides and uses ATP 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.

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