





DGRmAb[®]

PI3-Kinase p110 beta (DGR14149) Rabbit mAb

db15409 Package : 10μL 20μL 50μL 100μL

Product Name: PI3-Kinase p110 beta (DGR14149) Rabbit mAb

Cat.No.: db15409

Synonyms: PI3K; PIK3C1; P110BETA; PI3KBETA

Application : WB, ICC/IF, FC **Reactivity :** Human, Mouse, Rat

Host species: Rabbit

Background This gene encodes an isoform of the catalytic subunit of phosphoinositide 3-kinase (PI3K). These

kinases are important in signaling pathways involving receptors on the outer membrane of eukaryotic cells and are named for their catalytic subunit. The encoded protein is the catalytic subunit for Pl3Kbeta (Pl3KB). Pl3KB has been shown to be part of the activation pathway in neutrophils which have bound immune complexes at sites of injury or infection. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Dec 2011]

Immunogen A synthetic peptide of human PI3 Kinase p110 beta

Gene ID 5291

Swiss Prot P42338

Synonyms PI3K; PIK3C1; P110BETA; PI3KBETA

Reactivity Human, Mouse, Rat

Application WB, ICC/IF, FC

Recommended dilution WB: 1:1000

ICC/IF: 1:100

FC: 1:20

Calculated MW 123 kDa

Observed MW 110 kDa

Host species Rabbit

Clonality Monoclonal

Clonality No. DGR14149

Isotype IgG



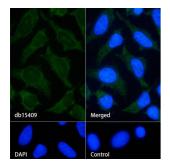
For Research Use Only **Product Datasheet**

Purity Affinity Purification

Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling PI3-Kinase p110 beta with db15409.

The cells were fixed with cold 100% methanol (10min, 4° C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15409 (1:100) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.