

Recombinant

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 PI3Kbeta (PI3KB). PI3KB 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

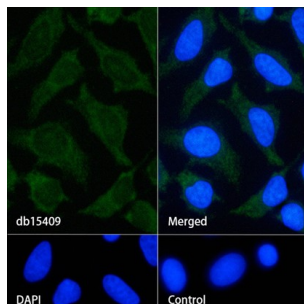
Clonality No.

DGR14149

Isotype

IgG

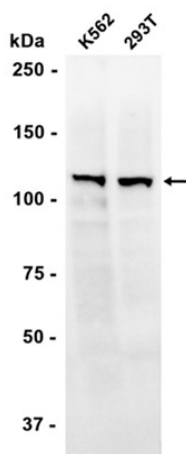
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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 IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



Western blot analysis of extracts from K562, 293T cells using db15409 at 1:1000.