

For Research Use Only

# CoraLite® Plus 647-conjugated PI3 Kinase p110 Beta Polyclonal antibody

Catalog Number: **CL647-20584**

## Featured Product

### Basic Information

Catalog Number:

CL647-20584

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_006219

GeneID (NCBI):

5291

UNIPROT ID:

P42338

Full Name:

phosphoinositide-3-kinase, catalytic, beta polypeptide

Calculated MW:

123 kDa

Observed MW:

110-130 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

### Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, rat

### Background Information

PIK3CB(phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform) is also named as PIK3C1, PI3K-beta, p110beta. The gene encodes a 1070 amino acid protein which belongs to the PI3/PI4-kinase family. Phosphoinositide 3-kinases (PI3Ks) have been implicated as participants in signaling pathways regulating cell growth by virtue of their activation in response to various mitogenic stimuli. The class I PI3 kinases are heterodimers composed of 110 kDa catalytic subunits that associate with regulatory adaptor proteins. Four class I catalytic subunits have been identified, PIK3CA (p110 $\alpha$ ), PIK3CB (p110 $\beta$ ), PIK3CD (p110 $\delta$ ) and PIK3CG (p110 $\gamma$ ) (PMID:19177002). This antibody is specific to PIK3CB.

### Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

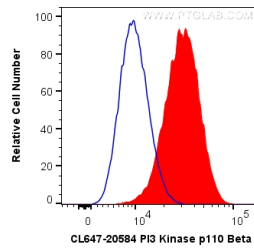
T: 4006900926

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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human PI3 Kinase p110 Beta (CL647-20584) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).