

For Research Use Only

# CoraLite®555-conjugated PI3 Kinase p110 Beta Polyclonal antibody



Catalog Number: CL555-20584

Featured Product

## Basic Information

Catalog Number:

CL555-20584

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

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

557 nm / 570nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, rat

Positive Controls:

IF/ICC : HeLa cells,

## 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.

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:

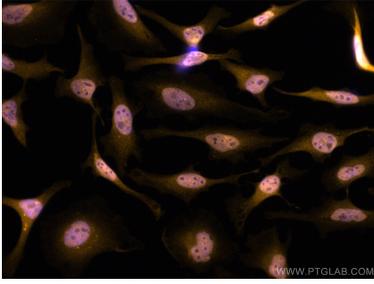
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite@555 PI3 Kinase p110 Beta antibody (CL555-20584) at dilution of 1:100.