

For Research Use Only

CoraLite® Plus 488-conjugated PI3 Kinase p110 Beta Polyclonal antibody



Catalog Number: **CL488-20584**

Featured Product

Basic Information

Catalog Number:
CL488-20584

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 1:50-1:500

Excitation/Emission maxima
wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra), IF/ICC

Species Specificity:
human, rat

Positive Controls:

IF : 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 α), PIK3CB (p110 β), PIK3CD (p110 δ) and PIK3CG (p110 γ) (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:

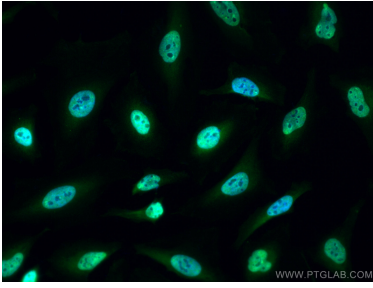
T: 4006900926

E: Proteintech-CN@ptglab.com

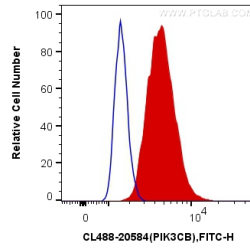
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PI3 Kinase p110 Beta antibody (CL488-20584) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PI3 Kinase p110 Beta (CL488-20584) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).