CoraLite®555-conjugated PI3 Kinase p110 Beta Monoclonal antibody

proteintech®
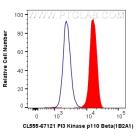Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL555-67121

Basic Information

Catalog Number:
CL555-67121

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG17505

GenBank Accession Number:
BC114432

GeneID (NCBI):
5291

UNIPROT ID:
P42338

Full Name:
phosphoinositide-3-kinase, catalytic, beta polypeptide

Calculated MW:
1070 aa, 123 kDa

Observed MW:
120-130 kDa

Purification Method:
Protein G purification

CloneNo.:
1B2A1

Excitation/Emission maxima wavelengths:
557 nm / 570 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 (p110α), PIK3CB (p110β), PIK3CD (p110δ) and PIK3CG (p110γ) (PMID:19177002).

Storage

Storage:
Store at -20℃. 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

Selected Validation Data

CL555-67121 PI3 Kinase p110 Beta(1B2A1)

1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human PI3 Kinase p110 Beta (CL555-67121, Clone:1B2A1) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).