

For Research Use Only

CoraLite®555-conjugated PI3 Kinase p110 Beta Monoclonal antibody

Catalog Number:CL555-67121



Basic Information

Catalog Number: CL555-67121	GenBank Accession Number: BC114432	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5291	CloneNo.: 1B2A1
Source: Mouse	UNIPROT ID: P42338	Excitation/Emission maxima wavelengths: 557 nm / 570 nm
Isotype: IgG1	Full Name: phosphoinositide-3-kinase, catalytic, beta polypeptide	
Immunogen Catalog Number: AG17505	Calculated MW: 1070 aa, 123 kDa	
	Observed MW: 120-130 kDa	

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°C. Avoid exposure to light. Stable for one year after shipment.

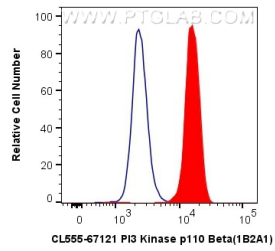
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ 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).