

For Research Use Only

CoraLite®594-conjugated PI3 Kinase p110 Alpha Monoclonal antibody



Catalog Number:CL594-67071

Basic Information

Catalog Number: CL594-67071	GenBank Accession Number: BC113601	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5290	CloneNo.: 1F6A7
Source: Mouse	Full Name: phosphoinositide-3-kinase, catalytic, alpha polypeptide	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 1068 aa, 124 kDa	Excitation/Emission maximum wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG17392	Observed MW: 110 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
Species Specificity: Human	

Background Information

PIK3CA belongs to the PI3/PI4-kinase family. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Defects in PIK3CA are associated with colorectal cancer (CRC). Defects in PIK3CA are associated with breast cancer. Defects in PIK3CA are associated with ovarian cancer. Defects in PIK3CA may underlie hepatocellular carcinoma (HCC). Defects in PIK3CA are a cause of keratosis seborrheic (KERSEB).

Storage

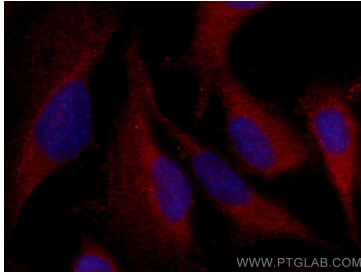
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

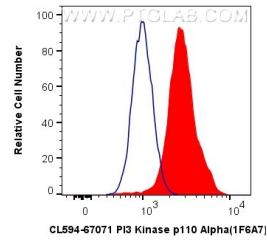
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite®594 PI3 Kinase p110 Alpha antibody (CL594-67071, Clone: 1F6A7) at dilution of 1:200.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human PI3 Kinase p110 Alpha (CL594-67071, Clone:1F6A7) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).