

For Research Use Only

PI3 Kinase p110 Alpha Monoclonal antibody, PBS Only

Catalog Number: 67071-1-PBS

Featured Product



Basic Information

Catalog Number:

67071-1-PBS

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG17392

GenBank Accession Number:

BC113601

GeneID (NCBI):

5290

UNIPROT ID:

P42336

Full Name:

phosphoinositide-3-kinase, catalytic,
alpha polypeptide

Calculated MW:

1068 aa, 124 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

1F6A7

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

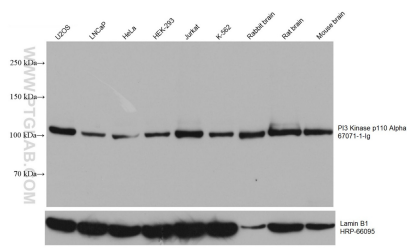
T: 4006900926

E: Proteintech-CN@ptglab.com

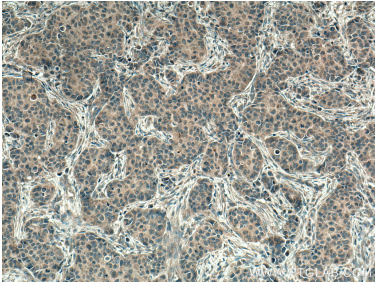
W: ptgcn.com

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

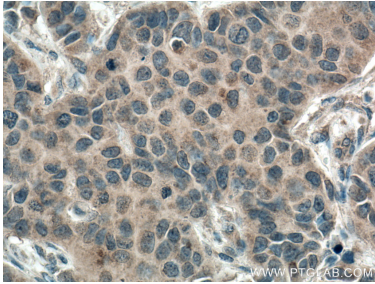
Selected Validation Data



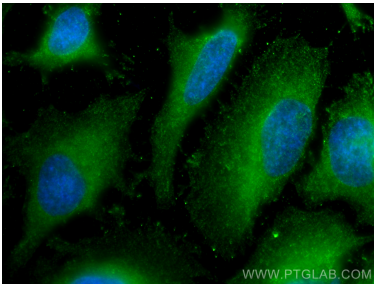
U2OS cells were subjected to SDS PAGE followed by western blot with 67071-1-Ig (PI3 Kinase p110 Alpha antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 67071-1-PBS in a different storage buffer formulation.



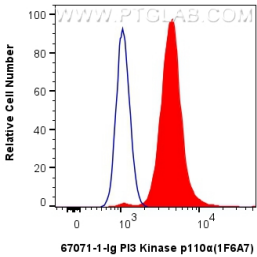
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67071-1-Ig (PIK3CA antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67071-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67071-1-Ig (PIK3CA antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67071-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PI3 Kinase p110 Alpha antibody (67071-1-Ig, Clone: 1F6A7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67071-1-PBS in a different storage buffer formulation.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human PI3 Kinase p110 Alpha (67071-1-Ig, Clone:1F6A7) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 67071-1-PBS in a different storage buffer