

A Reliable Research Partner in Life Science and Medicine

# Recombinant PI3 Kinase p85 alpha Monoclonal Antibody

catalog number: AN301629L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Mouse

Immunogen Recombinant human PI3 Kinase p85 alpha fragment

Host Rabbit Isotype lgG, κ Clone A332

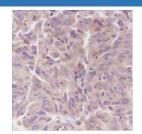
**Purification** Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

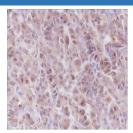
#### **Applications Recommended Dilution**

1:50-1:100 **IHC** 1:50 IF

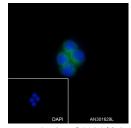
#### Data



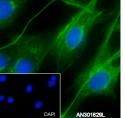
Immunohistochemistry of paraffin-embedded Human bladder cancer using PI3 Kinase p85 alpha Monoclonal Antibody at pancreatic cancer using PI3 Kinase p85 alpha Monoclonal dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human Antibody at dilution of 1:100.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HepG2 cells using anti-PI3 Kinase p85 alpha Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed NIH3T3 cells using anti-PI3 Kinase p85 alpha Monoclonal Antibody at dilution of 1:50.

Rev. V1.0

# **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

# **Background**

# For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com

# Elabscience®

## **Elabscience Bionovation Inc.**

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Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Plays an important role in signaling in response to FGFR1, FGFR2, FGFR3, FGFR4, KITLG/SCF, KIT, PDGFRA and PDGFRB. Likewise, plays a role in ITGB2 signalin g. Modulates the cellular response to ER stress by promoting nuclear translocation of XBP1 isoform 2 in a ER stress-and/or insulin-dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement.

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