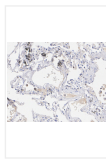
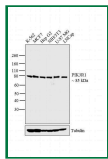
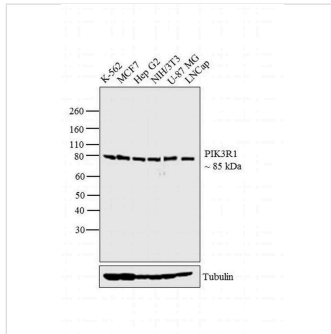


## PI3K p85 alpha Mouse Monoclonal Antibody (ARA820)



### Key features and details

Reactivity: Human, Mouse, Rat

Application: WB, IP, ICC/IF, IHC(P)

Host: Mouse

Clonality: Monoclonal

Isotype: IgG1

Target: PI3K p85 alpha

Brand: **AREX**  
BIOSCIENCES

CAT.NO. : ARA6610

**RMB: 2500.00**

Size:

20μL

100μL

Trail, Bulk size or  
Custom requests  
Please contact us

\*产品价格可能会有所调整, 请以品牌方官网实时更新的价格为准, 以确保准确性。

## Product Details

### Background

Phosphatidylinositol 3-kinase (PIK3) is a signaling protein that phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. Signaling is initiated when upstream tyrosine kinase receptors or G protein coupled receptors are bound by their ligands. It 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. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. During insulin stimulation, it also binds to IRS-1. Mutations in the gene can result in Agammaglobulinemia 7, SHORT syndrome, or Immunodeficiency 36.

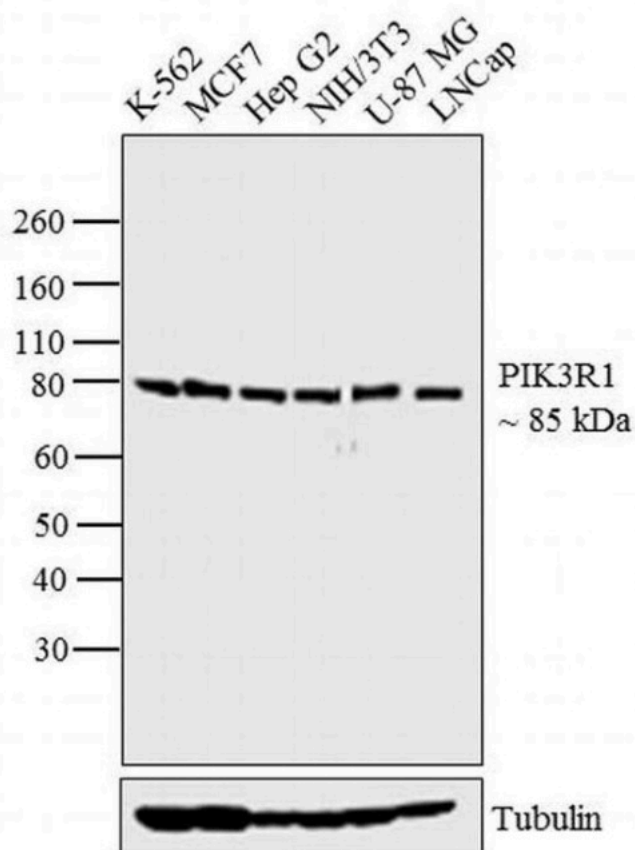
### Overview

Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Conjugate	Unconjugated
Immunogen	Recombinant protein within Human PI3-kinase p85 subunit alpha aa 19-219 / 724.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide

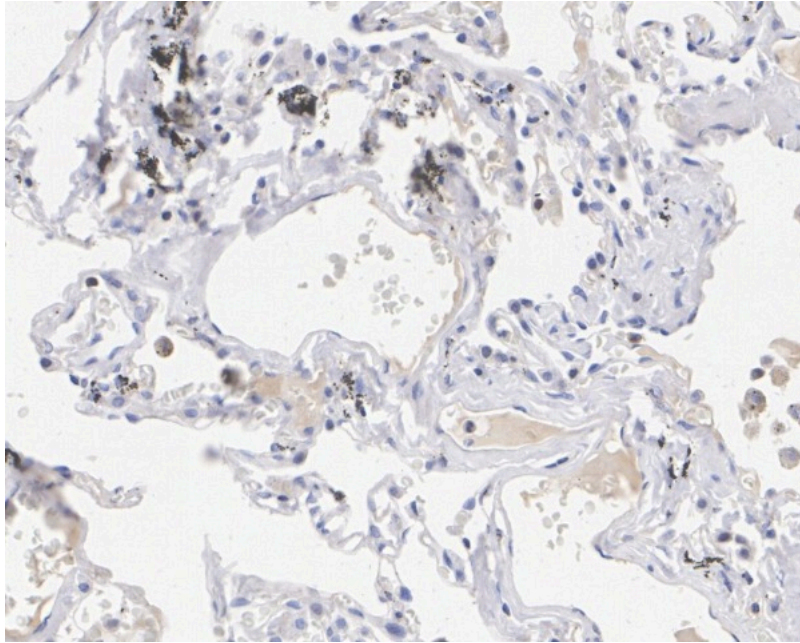
## Application

Applications	Tested Dilution
Western Blot (WB)	1:100 - 1:2000
Immunohistochemistry (Frozen) (IHC (F))	1:50 - 1:500
Immunocytochemistry (ICC/IF)	1:50 - 1:200
Immunoprecipitation (IP)	-

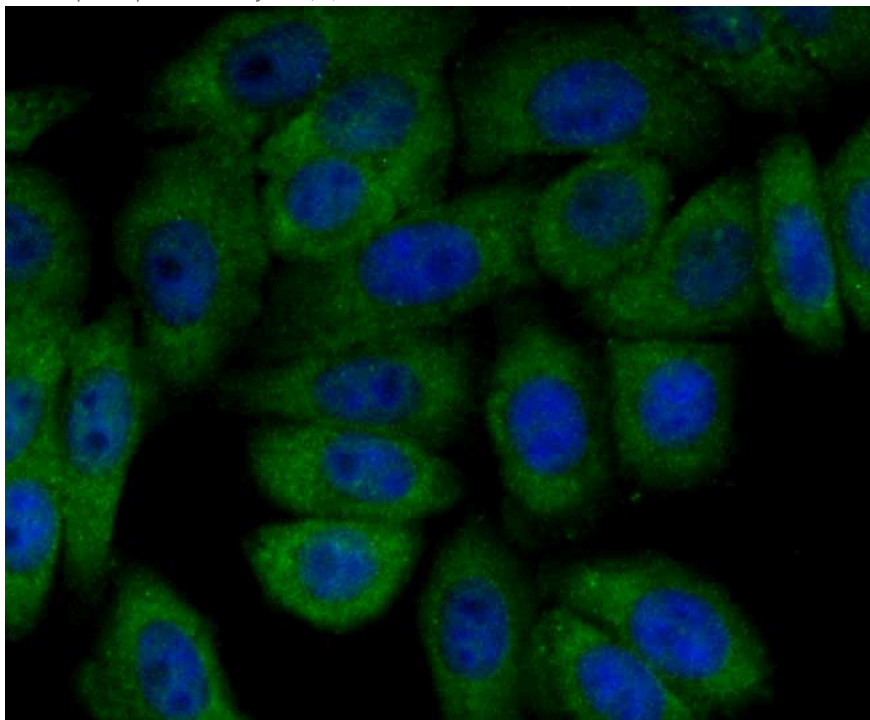
## Data



Western blot analysis was performed on whole cell extracts (30 µg lysate) of K - 562 (Lane 1), MCF7 (Lane 2), Hep G2 (Lane 3), NIH/3T3 (Lane 4), U - 87 MG (Lane 5) and LNCaP (Lane 6). The blot was probed with Anti - PIK3R1 Monoclonal Antibody (1:500 dilution) and detected by chemiluminescence using Goat anti - Mouse IgG Secondary Antibody, HRP conjugate (1:4000 dilution). A 85 kDa band corresponding to PIK3R1 was observed across the cell lines tested.



Immunohistochemical analysis of paraffin - embedded human lung tissue with Mouse anti - PI 3 Kinase p85 alpha antibody at 1/1,000 dilution.



ICC staining PI 3 Kinase p85 alpha (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Storage

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.