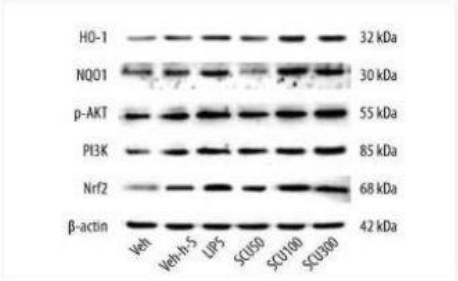
PRODUCT DATA SHEET

PI 3-kinase p85α Polyclonal Antibody

Catalog No.	IPB0061
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-2000 ELISA: 1:10000-20000
Gene Name	PIK3R1
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
Human Gene Id	5295
Swiss-Prot	P27986
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	nucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex,phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane,
MW	83598/54462
Background	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD This gene encodes the 85 kD regulatory subunit 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 Alternative splicing of this gene results in four transcript variants encoding different isoforms

Products Images:



Fan, Hua, et al. "Scutellarin Prevents Nonalcoholic Fatty Liver Disease (NAFLD) and Hyperlipidemia via PI3K/AKT-Dependent Activation of Nuclear Factor (Erythroid-Derived 2)-Like 2 (Nrf2) in Rats." Medical science monitor: international medical journal of experimental and clinical research 23 (2017): 5599.

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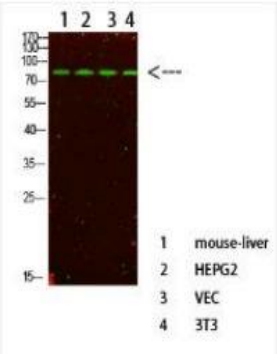

Western Blot analysis of various cells using primary antibody diluted at 1:500(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)