

Datasheet for ABIN7212082 **anti-PIK3R1 antibody**

3 Images



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Overview

Quantity:	100 µL
Target:	PIK3R1 (PI3K p85a)
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PIK3R1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	PI3 Kinase P85α Monoclonal Antibody
Immunogen:	Recombinant Protein
Isotype:	IgG1
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

Target Details

Target:	PIK3R1 (PI3K p85a)
Alternative Name:	PI3 Kinase P85alpha (PI3K p85a Products)
Background:	Mouse Anti-PI3 Kinase P85α Monoclonal Antibody, PIK3R1, GRB1, Phosphatidylinositol 3-kinase regulatory subunit alpha, PI3-kinase regulatory subunit alpha, PI3K regulatory subunit alpha, PtdIns-3-kinase regulatory subunit alpha, Phosphatidylinositol 3-kinase 85 kDa regulatory

Target Details

subunit alpha, PI3-kinase s, 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. PIK3R1 (phosphoinositide-3-kinase regulatory subunit 1) encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in PIK3R1 has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms., PI3 Kinase P85α

Molecular Weight: observed band 85kDa

Gene ID: 5295

UniProt: [P27986](#)

Pathways: [TCR Signaling](#), [Response to Growth Hormone Stimulus](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [VEGF Signaling](#), [BCR Signaling](#), [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC-P (1:100-1:200).

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

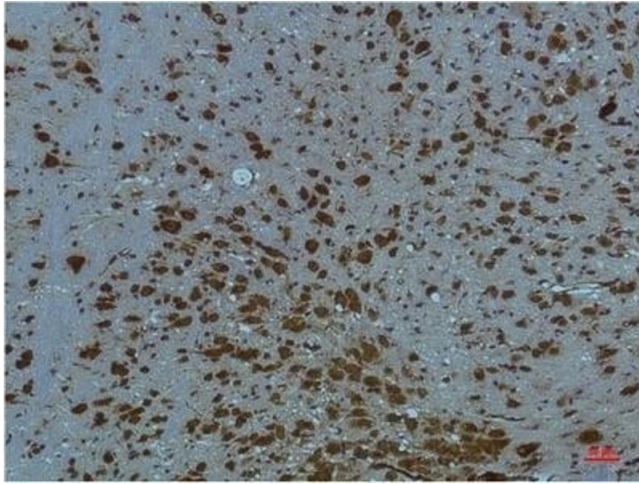
Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

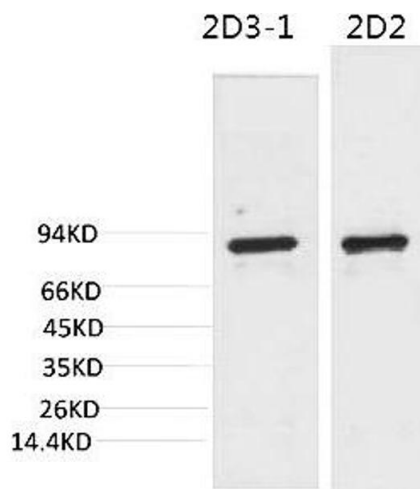
Storage: -20 °C

Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



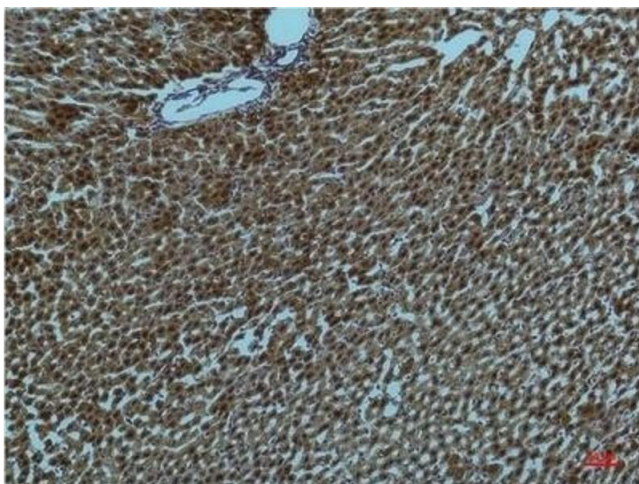
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using PI3 Kinase P85 α Mouse mAb diluted at 1:200.



Western Blotting

Image 2. Western blot analysis of 1) 3T3, 2) Rat Liver Tissue with PI3 Kinase P85 α Mouse mAb diluted at 1:2000.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded Rat Liver Tissue using PI3 Kinase P85 α Mouse mAb diluted at 1:200.