Datasheet for ABIN7213278

anti-PIK3R1 antibody (pTyr607)

4 Images

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Overview

Quantity:	100 µL
Target:	PIK3R1 (PI3K p85a)
Binding Specificity:	pTyr607
Reactivity:	Human, Mouse, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Purpose:	PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human PI 3-kinase p85alpha Phospho-Tyr607
Isotype:	IgG
Specificity:	Phospho-PI 3-kinase p85α (Y607) Polyclonal Antibody detects endogenous levels of PI 3-kinase p85α protein only when phosphorylated at Y607.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	PIK3R1 (PI3K p85a)

Target Details

Alternative Name:	PI 3-kinase p85alpha (PI3K p85a Products)
Background:	Rabbit Anti-PI 3-kinase p85α (phospho Tyr607) Polyclonal 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 subunit alph,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 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 PIK3R1 results in four transcript variants encoding different isoforms.,Phosphatidylinositol 3-kinase regulatory subunit alpha
Molecular Weight:	observerd band 80kDa
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 (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:10000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

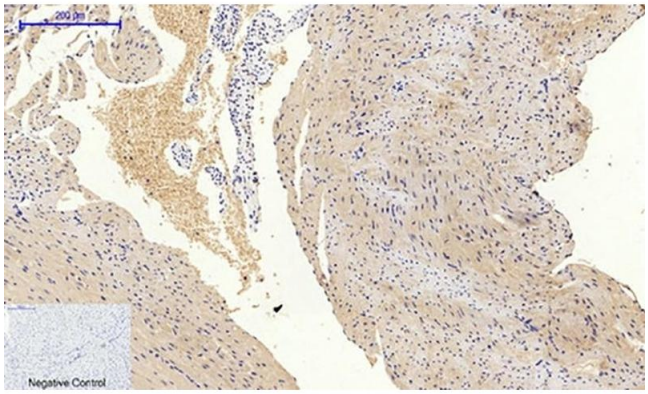
Handling

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

Handling

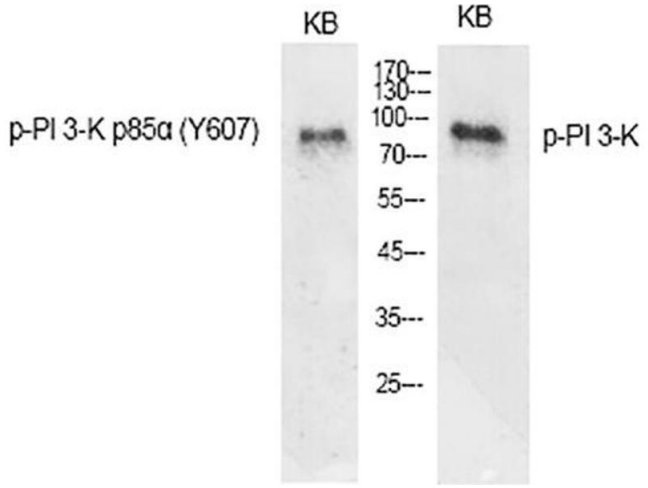
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



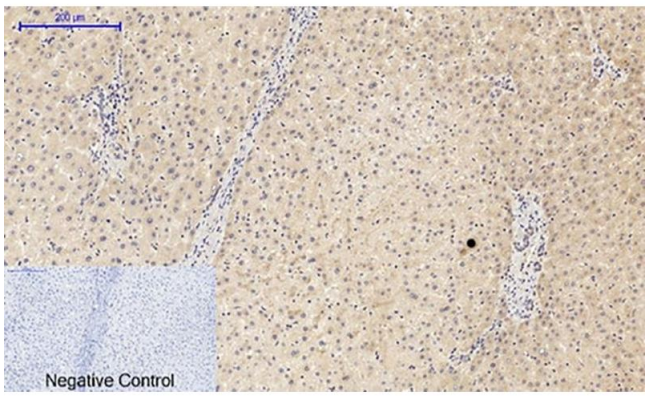
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded mouse heart tissue. 1, PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blotting

Image 2. Western Blot analysis of various cells using Phospho-PI 3-kinase p85α (Y607) Polyclonal Antibody diluted at 1:1000.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, PI 3-kinase p85α (phospho Tyr607) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the product details page for more images. Overall 4 images are available for ABIN7213278.