Datasheet for ABIN7101736

anti-PIK3R2 antibody

4 Images

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Overview

Quantity:	20 µL
Target:	PIK3R2 (PI3K p85b)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PIK3R2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human PI3 Kinase p85 beta
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PIK3R2 (PI3K p85b)
Alternative Name:	PIK3R2 (PI3K p85b Products)
Background:	Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways.

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Target Details

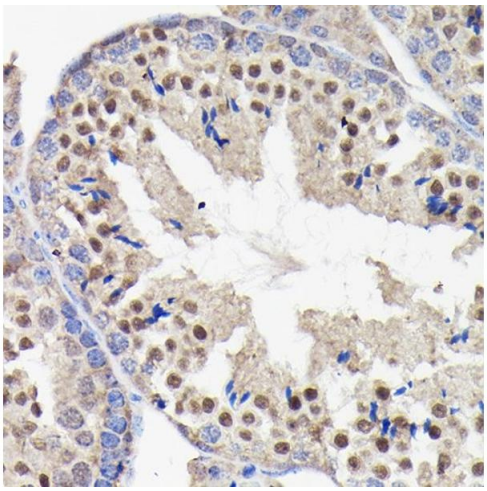
	PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012],MPPH, MPPH1, P85B, p85, p85-BETA,Apoptosis,Apoptosis_Inhibition of Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,B Cell Receptor Signaling Pathway,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Cytoskeleton,Cytoskeleton_Actins,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,ESC Pluripotency and Differentiation,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Innate Immunity_TLR Signaling,Insulin Receptor Signaling Pathway,Kinase,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,mTOR Signaling Pathway,NF-kB Signaling Pathway,PI3K-Akt Signaling Pathway,PI3K-Akt Signaling Pathway_PI3Ks and related,Protein Kinase C Signaling Pathway Pathway,Signal Transduction,T Cell Receptor Signaling Pathway,TGF-b-Smad Signaling Pathway,Toll-like Receptor Signaling Pathway,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,Warburg Effect,PIK3R2
Molecular Weight:	82 kDa
Gene ID:	5296
UniProt:	O00459
Pathways:	VEGF Signaling, BCR Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

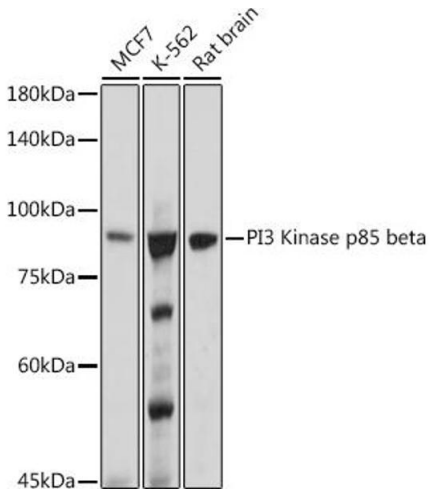
Handling

Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



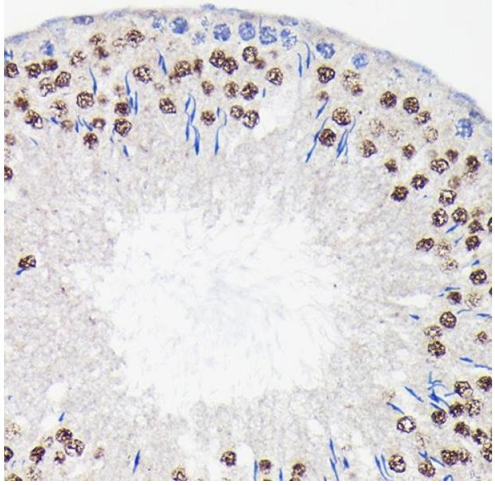
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse testis using PI3 Kinase p85 beta Rabbit mAb (ABIN1679407, ABIN3019246, ABIN3019247 and ABIN7101736) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PI3 Kinase p85 beta antibody (ABIN1679407, ABIN3019246, ABIN3019247 and ABIN7101736) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat testis using PI3 Kinase p85 beta Rabbit mAb (ABIN1679407, ABIN3019246, ABIN3019247 and ABIN7101736) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN7101736.

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