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Datasheet for ABIN2855878

## anti-PIK3 gamma antibody (C-Term)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	PIK3 gamma (PIK3CG)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3 gamma antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human PI3K gamma. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Zebrafish (Danio rerio), Xenopus tropicalis, Pig (Porcine), Chicken, Rhesus Monkey
Cross-Reactivity (Details):	Mouse (100 %), Zebrafish (85 %), Xenopus Tropicalis (92 %), Pig (100 %), Chicken (92 %), Rhesus Monkey (100 %)
Characteristics:	Rabbit Polyclonal antibody to PI3 kinase p110 gamma (phosphoinositide-3-kinase, catalytic, gamma polypeptide) PI3K gamma antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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Target:	PIK3 gamma (PIK3CG)
Alternative Name:	PI3K gamma ( <a href="#">PIK3CG Products</a> )
Background:	This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias.
Molecular Weight:	126 kDa
Gene ID:	5294
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">VEGF Signaling</a>

## Application Details

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Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: PI 3-kinase p110gamma transfected 293T cell , Neuro 2A , C8D30 , Raw264.7
Restrictions:	For Research Use only

## Handling

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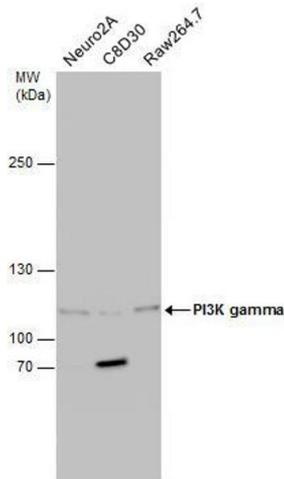
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS, 40 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

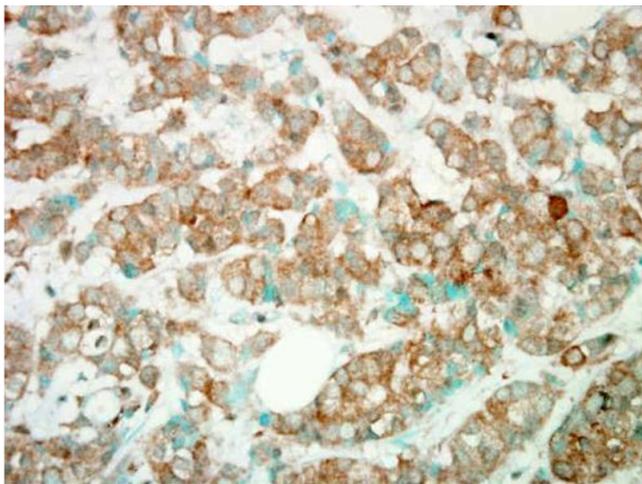
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



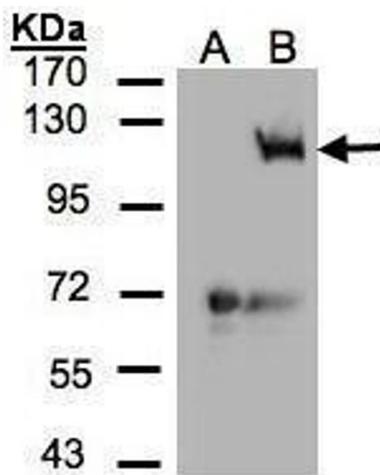
### Western Blotting

**Image 1.** WB Image Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with PI3K gamma antibody [C3], C-term, diluted at 1:500.



### Immunohistochemistry

**Image 2.** IHC-P Image Immunohistochemical analysis of paraffin-embedded Human Breast Cancer, using PI3K gamma, antibody.



### Western Blotting

**Image 3.** WB Image Western Blot analysis of PIK3CG expression in transfected 293T cell line by PIK3CG polyclonal antibody. A: Non-transfected lysate. B: PIK3CG transfected lysate. 7.5% SDS PAGE antibody diluted at 1:500