

Rabbit anti-Human, Mouse PIK3C2G Polyclonal Antibody | anti-PIK3C2G antibody

PIK3C2G Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322739	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PIK3C2G; Polyclonal Antibody; PIK3C2G Antibody; P3C2G_HUMAN; Phosphatidylinositol 4 phosphate 3 kinase C2 domain containing gamma polypeptide; Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit gamma; Phosphoinositide 3 Kinase C2 gamma; Phosphoinositide 3-Kinase-C2-gamma; PI3K C2gamma; PI3K-C2-gamma; PtdIns 3 kinase C2 gamma; PtdIns-3-kinase C2 subunit gamma; anti-PIK3C2G antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PIK3C2G antibody detects endogenous levels of total PIK3C2G
Purity/Purification	peptide affinity purification
Form/Format	Liquid Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1486
Applicable Applications for anti-PIK3C2G antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PIK3C2G, corresponding to a region within C-terminal amino acids.
RRID	AB_2840711
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA322739 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA322739 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of PIK3C2G using HT-29 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3C2G antibody

Function: Generates phosphatidylinositol 3-phosphate (PtdIns3P) and phosphatidylinositol 3, 4-bisphosphate (PtdIns(3, 4)P₂) that act as second messengers. May play a role in SDF1A-stimulated chemotaxis (By similarity).
Similarity: Belongs to the PI3/PI4-kinase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	571026668
NCBI GeneID	5288
NCBI Accession #	NP_001275701.1
NCBI GenBank Nucleotide #	NM_001288772.1
UniProt Accession #	O75747; A1L3U0
Molecular Weight	Observed: 166 kDa Predicted: 166 kDa
NCBI Official Full Name	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma isoform 1
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 gamma
NCBI Official Symbol	PIK3C2G
NCBI Official Synonym Symbols	PI3K-C2GAMMA; PI3K-C2-gamma
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit gamma
UniProt Gene Name	PIK3C2G
UniProt Synonym Gene Names	PI3K-C2-gamma; PtdIns-3-kinase C2 subunit gamma

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pik3c2g-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322739>