

Rabbit anti-Human PI3CKG Polyclonal Antibody | anti-PIK3CG antibody

PI3CKG Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287753	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

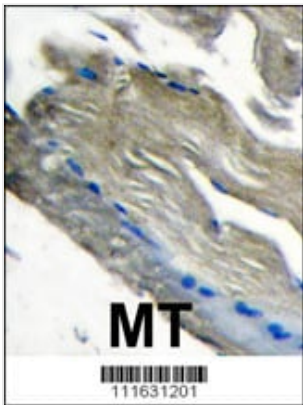
PRODUCT SYNONYMS

PI3CKG; Polyclonal Antibody; PI3CKG Antibody (C-term); Phosphatidylinositol 4; 5-bisphosphate 3-kinase catalytic subunit gamma isoform; PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; 5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma; Phosphoinositide-3-kinase catalytic gamma polypeptide; Serine/threonine protein kinase PIK3CG; p120-PI3K; PIK3CG; anti-PIK3CG antibody

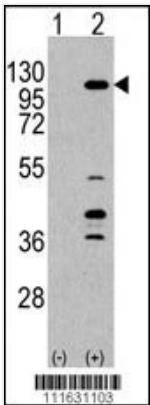
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PI3CKG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1041-1070 amino acids from the C-terminal region of human PI3CKG.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1041-1070
Sequence Length	1,102
Applicable Applications for anti-PIK3CG antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

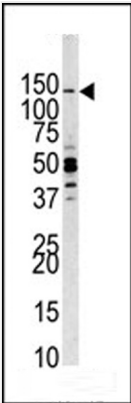
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human muscle tissue reacted with PI3CKG antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-PIK3CG Antibody (C-term) Pab in 293 cell line lysates transiently transfected with the PIK3CG gene (2ug/lane). PIK3CG(arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of anti-PI3CKG Antibody (C-term) Pab in Hela cell line lysates (35ug/lane). PI3CKG (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3CG antibody	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.
Product Categories/Family for anti-PIK3CG antibody	Cancer; Immunology; Signal Transduction
References	Andreozzi, F., et al., Endocrinology 145(6):2845-2857 (2004). Reddy, S.A., et al., Biochem. Biophys. Res. Commun. 316(4):1022-1028 (2004). Osaki, M., et al., J. Cancer Res. Clin. Oncol. 130(1):8-14 (2004). Khan, N.A., et al., J. Neurovirol. 9(6):584-593 (2003). Theberge, J.F., et al., Arch. Biochem. Biophys. 420(1):9-17 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	539846630
NCBI GeneID	5294

NCBI Accession #	NP_001269355.1; NP_001269356.1; NP_002640.2
NCBI GenBank Nucleotide #	NM_001282426.1
UniProt Accession #	P48736; Q8IV23; Q9BZC8; A4D0Q6
Molecular Weight	126454
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma
NCBI Official Symbol	PIK3CG
NCBI Official Synonym Symbols	PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
UniProt Gene Name	PIK3CG
UniProt Synonym Gene Names	PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma
UniProt Entry Name	PK3CG_HUMAN

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://www.aaabiotech.com/polyclonal/pi3ckg-antibody-immunohistochemistry-western-blot-elisa/287753>