

Rabbit PIK3C2A Polyclonal Antibody | anti-PIK3C2A antibody

PIK3C2A Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA22280	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

PIK3C2A; Polyclonal Antibody; PIK3C2A Polyclonal Antibody; CPK; PI3-K-C2(ALPHA); PI3-K-C2A; PI3K-C2-alpha; PI3K-C2alpha; phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 alpha; anti-PIK3C2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PIK3C2A antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:200
Immunogen	Recombinant fusion protein of human PIK3C2A
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



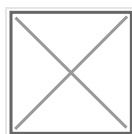
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3 ug PIK3C2A Polyclonal Antibody. Western blot was performed from the immunoprecipitate using PIK3C2A Polyclonal Antibody at a dilution of 1:1000.



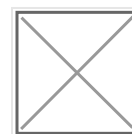
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using PIK3C2A Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver damage using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse heart using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines using PIK3C2A Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PIK3C2A antibody	The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The PI3-kinase activity of this protein is not sensitive to nanomolar levels of the inhibitor wortmanin. This protein was shown to be able to be activated by insulin and may be involved in integrin-dependent signaling.
Product Categories/Family for anti-PIK3C2A antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	157671929
NCBI GeneID	5286
NCBI Accession #	NP_002636.2
NCBI GenBank Nucleotide #	NM_002645.2
UniProt Accession #	O00443 ; Q14CQ9 ; B0LPH2 ; B4E2G4
Molecular Weight	53,742 Da
NCBI Official Full Name	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 alpha
NCBI Official Symbol	PIK3C2A
NCBI Official Synonym Symbols	CPK; PI3-K-C2A; PI3-K-C2(ALPHA)
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha; PI3K-C2alpha; PI3K-C2-alpha; ptdIns-3-kinase C2 subunit alpha; phosphoinositide 3-kinase-C2-alpha; C2-containing phosphatidylinositol kinase; phosphoinositide-3-kinase, class II
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha
UniProt Gene Name	PIK3C2A
UniProt Synonym Gene Names	PI3K-C2-alpha; PtdIns-3-kinase C2 subunit alpha
UniProt Entry Name	P3C2A_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://stage.aaabiotech.com/polyclonal/pik3c2a-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/22280>