

Human Phosphoinositide-3-Kinase Class-2-Alpha Polypeptide (PIK3C2a) ELISA Kit | PIK3C2a elisa kit

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CATALOG #
AAA68064

REACTIVITY
Human

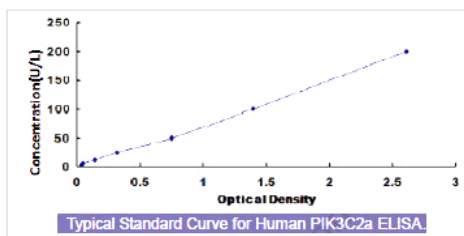
PRODUCT SYNONYMS

Phosphoinositide-3-Kinase Class-2-Alpha Polypeptide (PIK3C2a); Human Phosphoinositide-3-Kinase Class-2-Alpha Polypeptide (PIK3C2a) ELISA Kit; PIK3C2a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PIK3C2a. No significant cross-reactivity or interference between PIK3C2a and analogues was observed.
Sequence Length	483
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200U/L
Sensitivity	1.6U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PIK3C2a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PIK3C2a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIK3C2a elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PIK3C2a in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PIK3C2a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PIK3C2a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PIK3C2a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PIK3C2a in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1008909354
NCBI GeneID	5286
NCBI Accession #	NP_001308307.1
NCBI GenBank Nucleotide #	NM_001321378.1
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 isoform 1
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; PI3K-C2alpha; PI3K-C2-alpha; PI3-K-C2(ALPHA)
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phosphoinositide-3-kinase-class-2-alpha-polypeptide-pik3c2a/68064>