

Human Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform (PIK3CG) ELISA Kit | PIK3CG elisa kit

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CATALOG #
AAA247208

REACTIVITY
Human

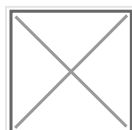
PRODUCT SYNONYMS

Phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit gamma isoform (PIK3CG); Human Phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit gamma isoform (PIK3CG) ELISA Kit; PIK3CG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PIK3CG. No significant cross-reactivity or interference between PIK3CG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PIK3CG and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	1102
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIK3CG elisa kit

Intended Uses: This PIK3CG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PIK3CG. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: PIK3CG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PIK3CG antibody and an PIK3CG-HRP conjugate. The assay sample and buffer are incubated together with PIK3CG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PIK3CG concentration since PIK3CG from samples and PIK3CG-HRP conjugate compete for the anti-PIK3CG antibody binding site. Since the number of sites is limited, as more sites are occupied by PIK3CG from the sample, fewer sites are left to bind PIK3CG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PIK3CG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	539846764
NCBI GeneID	5294
NCBI Accession #	NP_001269356.1
NCBI GenBank Nucleotide #	NM_001282427.1
UniProt Accession #	P48736; Q8IV23; Q9BZC8; A4D0Q6
Molecular Weight	126,454 Da
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

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/human-elisa-kits/phosphatidylinositol-45-bisphosphate-3-kinase-catalytic-subunit-gamma-isoform-pik3cg/247208>