

Rat PIK3C3 (Phosphoinositide-3-Kinase Class 3) ELISA Kit | PIK3C3 elisa kit

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CATALOG #
AAA277866

REACTIVITY
Rat

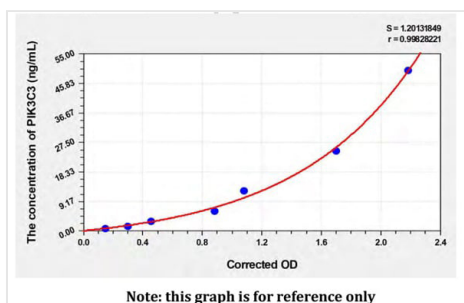
PRODUCT SYNONYMS

PIK3C3 (Phosphoinositide-3-Kinase Class 3); Rat PIK3C3 (Phosphoinositide-3-Kinase Class 3) ELISA Kit; Vps34; Phosphatidylinositol 3-kinase p100 subunit; Phosphatidylinositol 3-kinase catalytic subunit type 3; PIK3C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat PIK3C3. No significant cross-reactivity or interference between Rat PIK3C3 and analogues was observed.
Assay Type	Sandwich
Detection Range	0.79-50 ng/mL
Sensitivity	0.26 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIK3C3 elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat PIK3C3. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat PIK3C3. 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 Rat PIK3C3, 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 Rat PIK3C3 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12621140
NCBI GeneID	65052
NCBI Accession #	NP_075247.1
NCBI GenBank Nucleotide #	NM_022958.2
UniProt Accession #	O88763
Molecular Weight	101,534 Da
NCBI Official Full Name	phosphatidylinositol 3-kinase catalytic subunit type 3
NCBI Official Synonym Full Names	phosphatidylinositol 3-kinase, catalytic subunit type 3
NCBI Official Symbol	Pik3c3
NCBI Protein Information	phosphatidylinositol 3-kinase catalytic subunit type 3; PI3K type 3; PI-3K Vps34p; PI3-kinase type 3; ptdIns-3-kinase type 3; phosphoinositide-3-kinase, class 3; catalytic phosphatidylinositol 3-kinase 3
UniProt Protein Name	Phosphatidylinositol 3-kinase catalytic subunit type 3
UniProt Gene Name	Pik3c3
UniProt Synonym Gene Names	Vps34; PI3-kinase type 3; PI3K type 3; PtdIns-3-kinase type 3
UniProt Entry Name	PK3C3_RAT

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/rat-elisa-kits/pik3c3-phosphoinositide-3-kinase-class-3/277866>