

Human Neuroendocrine convertase 2 (PCSK2) ELISA Kit | PCSK2 elisa kit

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CATALOG #
AAA245336

REACTIVITY
Human

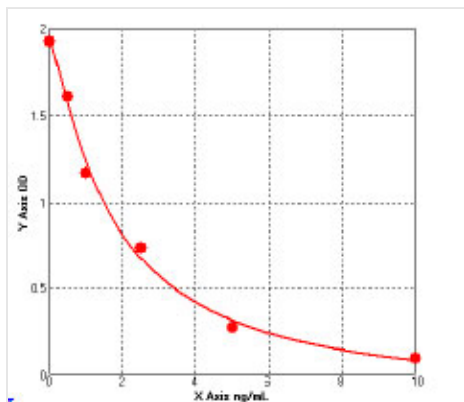
PRODUCT SYNONYMS

Neuroendocrine convertase 2 (PCSK2); Human Neuroendocrine convertase 2 (PCSK2) ELISA Kit; PCSK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PCSK2. No significant cross-reactivity or interference between PCSK2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PCSK2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCSK2 elisa kit	Intended Uses: This PCSK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PCSK2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PCSK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PCSK2 antibody and an PCSK2-HRP conjugate. The assay sample and buffer are incubated together with PCSK2-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 PCSK2 concentration since PCSK2 from samples and PCSK2-HRP conjugate compete for the anti-PCSK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PCSK2 from the sample, fewer sites are left to bind PCSK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCSK2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PCSK2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	20336244
NCBI GeneID	5126
NCBI Accession #	NP_002585.2
NCBI GenBank Nucleotide #	NM_002594.4
Molecular Weight	68,580 Da
NCBI Official Full Name	neuroendocrine convertase 2 isoform 1 preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 2
NCBI Official Symbol	PCSK2
NCBI Official Synonym Symbols	PC2; NEC2; SPC2; NEC 2; NEC-2
NCBI Protein Information	neuroendocrine convertase 2; prohormone convertase 2; KEX2-like endoprotease 2
UniProt Protein Name	Neuroendocrine convertase 2
UniProt Gene Name	PCSK2
UniProt Synonym Gene Names	NEC2; NEC 2; PC2
UniProt Entry Name	NEC2_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/human-elisa-kits/neuroendocrine-convertase-2-pcsk2/245336>