

STC2 elisa kit

Rat STC2 PicoKine ELISA Kit

CATALOG #
AAA125118

REACTIVITY
Rat
There is no detectable cross-reactivity with other relevant proteins.

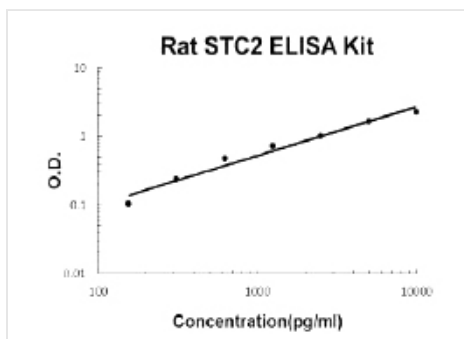
PRODUCT SYNONYMS

STC2; Rat STC2 PicoKine ELISA Kit; Rat STC2; Stanniocalcin-2; STC-2; Stc2; Stanniocalcin 2; STC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Rat Serpine2
Sequence Length	296
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta, Citrate),Urine
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<0.1ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STC2 elisa kit	Principle of the Assay: The Picokine Rat Serpine2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Serpine2 with a 96-well strip plate that is pre-coated with antibody specific for Serpine2. The detection antibody is a biotinylated antibody specific for Serpine2. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Serpine2 with immunogen: Expression system for standard: NSO, Immunogen sequence: S20-P397. The kit is analytically validated with ready to use reagents. To measure Rat Serpine2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Serpine2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Serpine2 in the sample!!Background/Introduction: Glia-derived nexin is a protein that in humans is encoded by the SERPINE2 gene. This gene is mapped to 9q34. SERPINE2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 386 aminoacids (20-397a.a.) andhaving a molecular mass of 42.9kDa (Molecular size on SDS-PAGE will appear atapproximately 40-57kDa).SERPINE2 is expressed with a 8 aminoacid His tag atC-Terminus and purified by proprietary chromatographic techniques. This gene displays neurite promoting activity and serine protease inhibitory activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11560026
NCBI GeneID	63878
NCBI Accession #	NP_071566.1
NCBI GenBank Nucleotide #	NM_022230.2
UniProt Accession #	Q9R0K8
Molecular Weight	32,622 Da
NCBI Official Full Name	stanniocalcin-2
NCBI Official Synonym Full Names	stanniocalcin 2
NCBI Official Symbol	Stc2
NCBI Protein Information	stanniocalcin-2
UniProt Protein Name	Stanniocalcin-2
UniProt Gene Name	Stc2
UniProt Synonym Gene Names	STC-2

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/stc2/125118>