

Rat alpha Synuclein ELISA Kit | alpha-SYN elisa kit

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CATALOG #
AAA16124

REACTIVITY
Rat

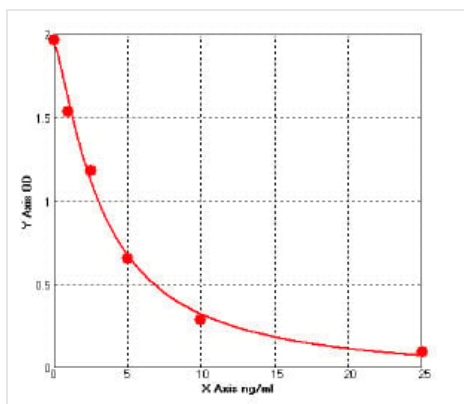
PRODUCT SYNONYMS

alpha Synuclein; Rat alpha Synuclein ELISA Kit; Rat a Synuclein ELISA Kit; alpha-SYN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SNCalpha. No significant cross-reactivity or interference between SNCalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SNCalpha and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 alpha-SYN elisa kit	Principle of the Assay: SNCalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SNCalpha antibody and an SNCalpha-HRP conjugate. The assay sample and buffer are incubated together with SNCalpha-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 SNCalpha concentration since SNCalpha from samples and SNCalpha-HRP conjugate compete for the anti-SNCalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by SNCalpha from the sample, fewer sites are left to bind SNCalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SNCalpha concentration in each sample is interpolated from this standard curve. Intended Uses: This SNCalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SNCalpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for alpha-SYN elisa kit	Neurobiology
References	Increase of Oxidative Stres ?-Synuclein in Wistar Rat's. Arief Budi Yulianti, Sony Heru Sumarsono, Ahmad Ridwan & Ayda T. Yusuf (2012)

NCBI AND UNIPROT INFORMATION

NCBI GI #	109638747
NCBI GeneID	20617
NCBI Accession #	NP_001035916.1
NCBI GenBank Nucleotide #	NM_001042451.2
Molecular Weight	12,345 Da
NCBI Official Full Name	alpha-synuclein
NCBI Official Synonym Full Names	synuclein, alpha
NCBI Official Symbol	Snca
NCBI Official Synonym Symbols	NACP; alphaSYN
NCBI Protein Information	alpha-synuclein; non-A4 component of amyloid; non-A beta component of AD amyloid
UniProt Protein Name	Alpha-synuclein
UniProt Gene Name	Snca
UniProt Synonym Gene Names	Syn; NACP
UniProt Entry Name	SYUA_MOUSE

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/alpha-syn-rat-elisa-kits/alpha-synuclein/16124>