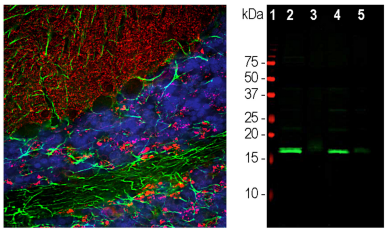
Chicken antibody to human alpha synuclein: affinity purified

Catalogue No.:	C-1795-50
Description:	May be involved in the regulation of dopamine release and transport. Induces fibrillization of microtubule-associated protein tau. Reduces neuronal responsiveness to various apoptotic stimuli, leading to a decreased caspase-3 activation. Ref: uniprot.org.
Batch No.:	See product label.
Unit size:	50 ug
Antigen:	Full length human protein with the epitope from amino acids 61-95
Other Names:	Non-A beta component of AD amyloid; Non-A4 component of amyloid precursor; NACP
Accession:	P37840 (SYUA_HUMAN)
Produced in:	Chicken
Purity:	Affinity purified
Applications:	Western blotting (1:1,000 - 1:2,000), Immunocytochemistry (1:1,000 - 1:2,000) and Immunohistochemistry (1:1,000 1: 2,000). Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Reacts with human, horse, cow, pig, chicken, rat, mouse.
Form:	Lyophilised from a solution containing PBS buffer pH 7.2-7.6 with 3% trehalose, 5 mM NaN3.
Reconstitution:	Spin vial briefly before opening. Reconstitute in 50 uL sterile water. Centrifuge to remove any insoluble material. Final buffer contains preservatives.
Storage:	Store lyophilised antibody at 2-8C. After reconstitution divide into aliquots and store at -20C for long-term storage. Store at 2-8C short-term (up to 4 weeks). Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase if unopened.



Left: Rat cerebellum section stained with chicken anti-α-synuclein antibody (red, 1:3,000) by Immunohistochemistry. Section was co-stained with rabbit anti-GFAP (green, R-1374-50, 1:5,000) and DAPI nuclear dye (blue). IHC method: Following transcardial perfusion with 4% paraformaldehyde, brain was post-fixed for 24 hours, cut into 45 uM sections, and free-floating sections were stained. The α-synuclein protein is concentrated in presynaptic regions in the granular and molecular layers, while GFAP antibody stains the network of Bergmann and astroglial cells. Right: Western blot analysis of tissue lysates. Lane 1: MWM; Lane 2: rat brain; Lane 3: rat spinal cord; Lane 4: mouse brain; Lane 5: mouse spinal cord. Antibody dilution: 1:2,000. A strong band at about 15 kDa corresponds to the α-synuclein protein in brain extracts, which are rich in synapses.

51 West Thebarton Road • Thebarton • South Australia 5031
Telephone + 61(0)8 8352 7711 • Email sales@biosensis.com • www.biosensis.com