

## Rabbit antibody to Synphilin-1 (911-919): whole serum

<b>Catalogue No.:</b>	R-117-100
<b>Description:</b>	Synuclein alpha interacting protein (Synphilin-1) contains several protein-protein interaction domains and interacts with alpha synuclein in neurons. Mutations of SNCAIP have been linked to Parkinson disease. The amino acid sequence of synphilin-1 shares a high level of identity with its human counterpart, particularly in regions containing ankyrin-like motifs and the coiled-coil domain. Expression pattern of synphilin-1 in tissues is similar in both mouse and human. Synphilin-1 has an important role in the formation of aggregates and cytotoxicity in Parkinson disease and also Dornin may be involved in the pathogenic process by ubiquitylation of synphilin-1.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	A synthetic peptide (CASKGKNKAA) as part of human synphilin-1a conjugated to KLH has been used as the immunogen.
<b>Other Names:</b>	Synphilin-1a protein; synuclein alpha interacting protein; Synphilin-1; Synphilin 1; SNCAIP
<b>Accession:</b>	Synphilin-1a protein_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Whole serum
<b>Applications:</b>	IHC, WB. A dilution of 1: 1000 to 1:2000 is recommended for immunohistochemistry and 1:500-1:1000 for western blot. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	A high level of specificity has been shown for this antiserum by IHC on human brain.
<b>Cross-reactivity:</b>	This antiserum is known to react with rat and human synphilin-1a.
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	<ol style="list-style-type: none"><li>1. Kruger,R. Cell Tissue Res. 318 (1), 195-199 (2004)</li><li>2. Lee,G., etal. J. Biol. Chem. 279 (8), 6834-6839 (2004)</li><li>3. Tanaka,M., et al. J. Biol. Chem. 279 (6), 4625-4631 (2004)</li><li>4. Nagano,Y., et al. J. Biol. Chem. 278 (51), 51504-51514 (2003)</li><li>5. Marx,F.P., etal. Hum. Mol. Genet. 12 (11), 1223-1231 (2003)</li><li>6. Junn,E., et al. J. Biol. Chem. 277 (49), 47870-47877 (2002)</li><li>7. Chung,K.K., et al. Nat. Med. 7 (10), 1144-1150 (2001)</li><li>8. Kawamata,H., et al. J. Neurochem. 77 (3), 929-934 (2001)</li><li>9. Engleender,S., et al. Nat. Genet. 22 (1), 110-114 (1999)</li></ol>

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