



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

Catalogue No.:	R-117-100
Description:	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.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	A synthetic peptide (CASKGKNKAA) as part of human synphilin-1a conjugated to KLH has been used as the immunogen.
Other Names:	Synphilin-1a protein; synuclein alpha interacting protein; Synphilin-1; Synphilin 1; SNCAIP
Accession:	Synphilin-1a protein_HUMAN
Produced in:	Rabbit
Purity:	Whole serum
Applications:	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.
Specificity:	A high level of specificity has been shown for this antiserum by IHC on human brain.
Cross-reactivity:	This antiserum is known to react with rat and human synphilin-1a.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	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.
Expiry Date:	12 months after purchase
References:	<ol style="list-style-type: none">1. Kruger,R. Cell Tissue Res. 318 (1), 195-199 (2004)2. Lee,G., etal. J. Biol. Chem. 279 (8), 6834-6839 (2004)3. Tanaka,M., et al. J. Biol. Chem. 279 (6), 4625-4631 (2004)4. Nagano,Y., et al. J. Biol. Chem. 278 (51), 51504-51514 (2003)5. Marx,F.P., etal. Hum. Mol. Genet. 12 (11), 1223-1231 (2003)6. Junn,E., et al. J. Biol. Chem. 277 (49), 47870-47877 (2002)7. Chung,K.K., et al. Nat. Med. 7 (10), 1144-1150 (2001)8. Kawamata,H., et al. J. Neurochem. 77 (3), 929-934 (2001)9. Engleender,S., et al. Nat. Genet. 22 (1), 110-114 (1999)

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