

Datasheet: AHP593

Description:	GOAT ANTI HUMAN SYNPHILIN 1
Specificity:	SYNPHILIN 1
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/400
ELISA	▪			1/5000 - 1/10000
Immunoprecipitation			▪	
Western Blotting	▪			1/2000
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Serum - liquid

Antiserum Preparation Antisera to Synphilin-1 were raised by repeated immunisation of goat with highly purified antigen.

Preservative Stabilisers 0.1% Sodium Azide (NaN₃)

Immunogen Peptide SLELNGEKDKDKGRTLQRT corresponding to residues 829-847 of human synphilin 1.

External Database Links

UniProt:
[Q9Y6H5](#) [Related reagents](#)

Entrez Gene:
[9627](#) SNCAIP [Related reagents](#)

Specificity

Goat anti Human synphilin 1 antibody recognizes synphilin-1, a cytoplasmic protein which associates with alpha-synuclein *in vivo*. Alpha-Synuclein is a major component of lewy bodies in

patients with sporadic Parkinson's disease (PD) and mutations of alpha-synuclein are involved in familial forms of PD. Reports suggest that synphilin-1 may play a role in lewy body formation in association with alpha synuclein.

Histology Positive Control Tissue

Human Brain

References

1. Buttner, S. *et al.* (2010) Synphilin-1 enhances α -synuclein aggregation in yeast and contributes to cellular stress and cell death in a Sir2-dependent manner. [PloS ONE 5: e13700.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10496 available at: 10496: <https://www.bio-rad-antibodies.com/uploads/MSDS/10496.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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