

## Datasheet: AHP1124

<b>Description:</b>	GOAT ANTI SNAP-25 (C-TERMINAL)
<b>Specificity:</b>	SNAP-25 (C-TERMINAL)
<b>Other names:</b>	SYNAPTOSOMAL-ASSOCIATED PROTEIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.0 - 4.0ug/ml
ELISA	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			0.01 - 0.03ug/ml

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

**(1)Heat-mediated antigen retrieval is required prior to staining paraffin sections with this antibody. Bio-Rad recommend citrate buffer, pH6.0, for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with:Rat, Dog</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to human SNAP-25 were raised by repeated immunisations of goats with highly

purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Peptide sequence C-DEANQRATKMLGSG corresponding to the C-terminus of SNAP-25 (NP_003072.2, NP_570824.1).
External Database Links	<b>UniProt:</b> <a href="#">P60880</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">6616</a> SNAP25 <a href="#">Related reagents</a>
Synonyms	SNAP
RRID	AB_808741
Specificity	<p><b>Goat anti Human SNAP25 antibody</b> recognizes human synaptosomal-associated protein, 25kD (SNAP-25), also known as Super protein (Sup) or Synaptosomal-associated 25 kDa protein. SNAP-25 is a 206 amino acid, presynaptic plasma membrane protein containing 2 <a href="#">tSNARE coiled-coil</a> domains and is essential for Ca<sup>2+</sup>-regulated exocytosis of neurotransmitters. SNAP-25 binds to and negatively modulate Ca<sup>2+</sup> channels, increasing the speed of neurotransmitter release (<a href="#">Rettig et al. 1996</a>). Goat anti Human SNAP25 antibody detects an epitope within the C-terminal (CT) of human SNAP25 (aa 193-206).</p> <p>As a result of alternative splicing, SNAP-25 is expressed by neurons and neuroendocrine cells as two predominant isoforms; SNAP-25a and SNAP-25b. SNAP-25a is expressed early in development, whereas SNAP-25b expression is linked to synaptogenesis (<a href="#">Bark and Wilson 1994</a>). Goat anti human SNAP25 antibody is expected to recognise both isoforms.</p> <p>SNAP-25 may be a possible therapeutic treatment target for sufferers of hyperactivity disorders (<a href="#">Barr et al. 2000</a>), whilst SNAP-25 based peptides may be a possible treatment for involuntary muscle spasms (<a href="#">Hodel 1998</a>).</p>
Western Blotting	AHP1124 detects a band of approximately 22kDa in human and mouse brain lysates. A minimum incubation time of 1 hour is recommended with this antibody.
References	1. Hodel, A. (1998) SNAP-25. <a href="#">Int J Biochem Cell Biol. 30 (10): 1069-73.</a> 2. Lazzarini, R. et al. (2019) Mesenchymal Stem Cells from Nucleus Pulposus and Neural Differentiation Potential: a Continuous Challenge. <a href="#">J Mol Neurosci. 67 (1): 111-124.</a>

**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1124">https://www.bio-rad-antibodies.com/SDS/AHP1124</a> 10058
<b>Regulatory</b>	For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

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

**Recommended Useful Reagents**

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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