

Datasheet: AHP1124

**BATCH NUMBER 220415**

<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.**

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with:Rat, Dog

**N.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.

### Product Form

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** 0.02% Sodium Azide  
**Stabilisers** 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**

**UniProt:**

[P60880](#)    [Related reagents](#)

**Entrez Gene:**

[6616](#) SNAP25    [Related reagents](#)

---

**Synonyms** SNAP

---

**RRID** AB\_808741

---

**Specificity** **Goat anti Human SNAP25 antibody** 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 [tSNARE coiled-coil](#) 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 ([Rettig et al. 1996](#)). Goat anti Human SNAP25 antibody detects an epitope within the C-terminal (CT) of human SNAP25 (aa 193-206).

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 ([Bark and Wilson 1994](#)). Goat anti human SNAP25 antibody is expected to recognise both isoforms.

SNAP-25 may be a possible therapeutic treatment target for sufferers of hyperactivity disorders ([Barr et al. 2000](#)), whilst SNAP-25 based peptides may be a possible treatment for involuntary muscle spasms ([Hodel 1998](#)).

---

**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. [Int J Biochem Cell Biol. 30 \(10\): 1069-73.](#)
2. Lazzarini, R. et al. (2019) Mesenchymal Stem Cells from Nucleus Pulposus and Neural

Differentiation Potential: a Continuous Challenge. [J Mol Neurosci. 67 \(1\): 111-124.](#)

---

**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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee**

12 months from date of despatch

---

**Health And Safety Information**

Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1124>  
10058

---

**Regulatory**

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 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M363816:200529'

Printed on 12 Aug 2023

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)