

## Datasheet: AHP1681

<b>Description:</b>	GOAT ANTI HUMAN NEUREXIN 1 (C-TERMINAL)
<b>Specificity:</b>	NEUREXIN 1 (C-TERMINAL)
<b>Other names:</b>	NRXN1
<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			▪	
ELISA	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			0.05 - 0.1ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Mouse, Rat, Dog <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.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human NRXN1 (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline

<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence C-KEKQPSSAKSSNKN from the C-Terminal region of NRXN1 (NP_004792.1; NP_620072.1).
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">Q9ULB1</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">9378</a>   NRXN1   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KIAA0578
<b>RRID</b>	AB_2298851
<b>Specificity</b>	<p><b>Goat anti Human neurexin 1 antibody</b> recognizes an epitope within the C-terminal (CT) region of human Neurexin 1 (NRXN1), a transmembrane neuronal protein and member of the neurexin family, which act as cell adhesion molecules and receptors within the vertebrate nervous system.</p> <p>NRXN1 exists in many distinct isoforms, the majority of which encode the longer alpha-neurexins generated using an upstream promoter, whilst fewer encode the shorter beta-neurexins, generated using a downstream promoter. Alpha-neurexins have been shown to bind with high affinity to the neuronal protein neurexophilin, whilst neuroligin 1, enriched in synaptic plasma membranes, has been identified as a splice site-specific ligand for beta-neurexins.</p>
<b>Western Blotting</b>	AHP1681 detects a band of approximately 150kDa in human cerebellum cell lysates
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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

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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://bio-rad-antibodies.com/datasheets)

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