

Datasheet: AHP1681

Description:	GOAT ANTI HUMAN NEUREXIN 1 (C-TERMINAL)
Specificity:	NEUREXIN 1 (C-TERMINAL)
Other names:	NRXN1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rat, Dog N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human NRXN1 (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide sequence C-KEKQPSSAKSSNKN from the C-Terminal region of NRXN1 (NP_004792.1;

**External Database
Links****UniProt:**[Q9ULB1](#)[Related reagents](#)**Entrez Gene:**[9378](#)

NRXN1

[Related reagents](#)**Synonyms**

KIAA0578

Specificity

Goat anti Human neurexin 1 antibody 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.

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.

Western Blotting

AHP1681 detects a band of approximately 150kDa in human cerebellum cell lysates

Storage

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

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10058 available at:

10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>**Regulatory**

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)**North & South
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com**Worldwide**

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