

Datasheet for 600-401-DA1

NEUCRIN Antibody

Overview

Description:	Anti-NEUCRIN (RABBIT) Antibody - 600-401-DA1
Item No.:	600-401-DA1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Neucrin, also known as Draxin, is a repulsive guidance protein for the spinal cord and forebrain commissures. It is thought to act as an antagonist of canonical Wnt signaling by inhibiting the stabilization of cytosolic beta-catenin. Ectopically expressed neucrin inhibited growth or caused misrouting of chick spinal cord commissural axons in vivo while Neucrin-null mice showed defasciculation of spinal cord commissural axons and an absence of all forebrain commissures. Other experiments in mice have shown that olfactory bulb axonal outgrowth is inhibited by Neucrin, suggesting that Neucrin functions as an inhibitory guidance cue for olfactory bulb axons.
Synonyms:	NEUCRIN Antibody, C1orf187, PSEC0258, UNQ3119/PRO10268, Draxin, Dorsal inhibitory axon guidance protein, Dorsal repulsive axon guidance protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DRAXIN
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Neucrin antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the C-terminus of human Neucrin.

Purity/Specificity: Anti-NEUCRIN Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of Neucrin are known to exist; this antibody will detect the two shorter isoforms. Neucrin antibody is predicted to not cross-react with RILP.

Relevant Links:

- [UniProtKB - Q8NBI3](#)
- [GeneID - 374946](#)
- [NCBI - BAG80561](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-NEUCRIN Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

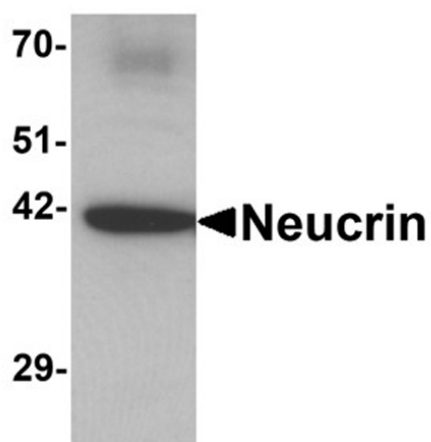
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

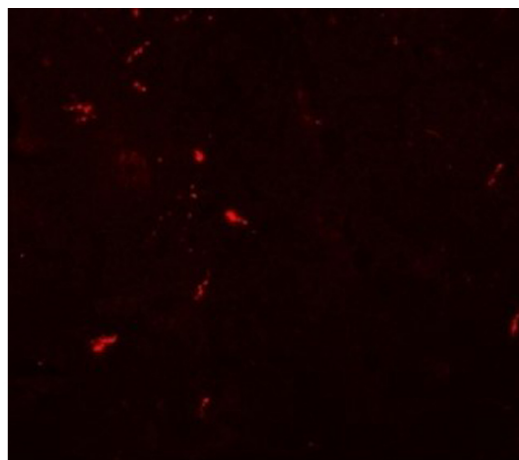


Western Blot

Western blot analysis of Neucrin.

Load: rat cerebellum tissue lysate.

Primary Antibody: Neucrin antibody at 1 µg/mL.

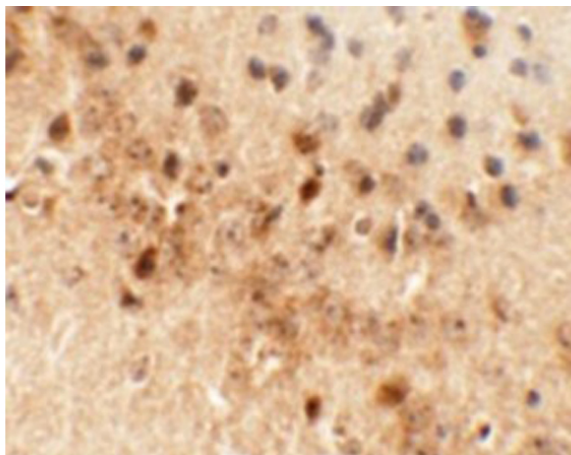


Immunofluorescence Microscopy

Immunofluorescence of NEUCRIN.

Tissue: mouse brain tissue.

Primary Antibody: NEUCRIN antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of NEUCRIN.

Tissue: mouse brain tissue.

Primary Antibody: NEUCRIN antibody at 5 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.