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Datasheet for 600-401-DB4

NINJ1 Antibody

Overview

Description:	Anti-NINJ1 (RABBIT) Antibody - 600-401-DB4
Item No.:	600-401-DB4
Size:	100 µg
Applications:	ELISA, IF, IHC
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Ninjurin-1 (NINJ1) is a homophilic adhesion molecule that is strongly induced in dorsal root ganglion (DRG) and Schwann cells following nerve injury and promotes neurite outgrowth of DRG neurons, suggesting that NINJ1 may play a role in nerve regeneration. NINJ1 is transcriptionally regulated by p53 and is induced by DNA damage in a p53-dependent manner. A deficiency of NINJ1 increases p53 expression, suppresses cell proliferation, but enhances apoptosis and premature senescence in a p53-dependent manner as well as radiation-induced cell mortality.
Synonyms:	NINJ1 Antibody, NIN1, NINJURIN, Ninjurin-1, Nerve injury-induced protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NINJ1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NINJ1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the C-terminus of human NINJ1.

Purity/Specificity:	Anti-NINJ1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. NINJ1 antibody is human, mouse and rat reactive.
Relevant Links:	• UniProtKB - Q92982 • GeneID - 4814 • NCBI - NP_004139

Application Details

Tested Applications:	ELISA, IF, IHC
Application Note:	Anti-NINJ1 Antibody has been tested for use in ELISA, immunohistochemistry, and immunofluorescence. Expect a band at approximately 16 kDa in Western Blots of specific cell lysates and tissues. Western Blot; Immunohistochemistry and Immunofluorescence in mouse samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20µg/mL
IHC:	5µg/mL
WB:	1-2 µg/mL

Formulation

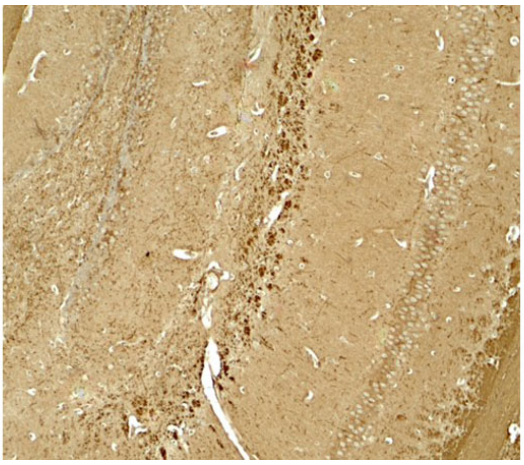
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

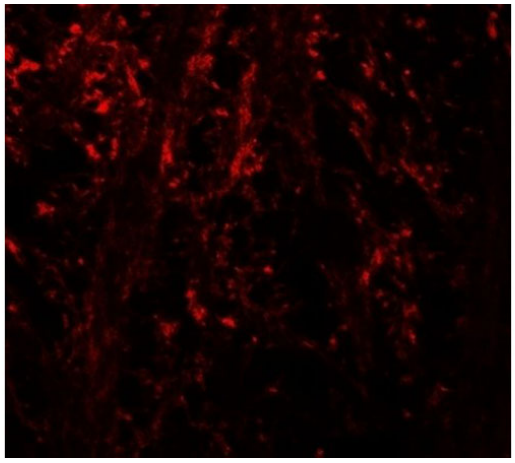
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



Immunohistochemistry
Immunohistochemistry of NINJ1.
Tissue: mouse brain tissue.
Primary Antibody: NINJ1 antibody at 5 µg/ml.



Immunofluorescence Microscopy
Immunofluorescence of NINJ1.
Tissue: mouse brain tissue.
Primary Antibody: NINJ1 antibody at 20 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.