

## Anti-Ninjurin-1 NINJ1 Antibody

Catalog Number: A08377

### About NINJ1

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 (1,2), 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 (3).

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Ninjurin-1 NINJ1 Antibody  |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-Ninjurin-1 NINJ1 Antibody (Catalog # A08377). Tested in ELISA, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | ELISA, IF, IHC-P  |
| Clonality            | Polyclonal  |
| Formulation          | NINJ1 antibody is supplied in PBS containing 0.02% sodium azide.  |
| Storage Instructions | NINJ1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.  |
| Host                 | Rabbit  |
| Uniprot ID           | Q92982  |

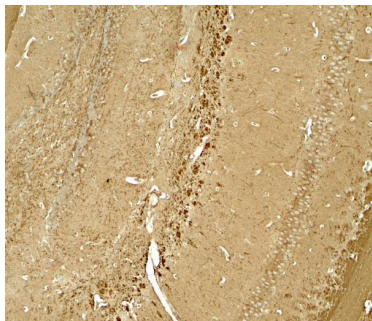
### Technical Details

|                            |   |
|----------------------------|---|
| Immunogen                  | NINJ1 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human NINJ1. The immunogen is located within the last 50 amino acids of NINJ1. |
| Predicted Reactive Species | Chicken   |
| Cross Reactivity           | NINJ1 antibody is human, mouse and rat reactive.  |
| Isotype                    | IgG   |
| Form                       | Liquid  |
| Concentration              | 1 mg/mL   |
| Purification               | NINJ1 antibody is affinity chromatography purified via peptide column.  |
| Suggested Dilutions        | NINJ1 antibody can be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.  |

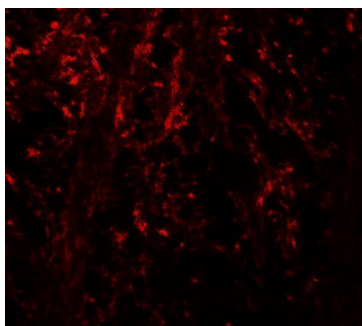
Antibody validated: Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-Ninjurin-1 NINJ1 Antibody (A08377) Images

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Immunohistochemistry of NINJ1 in mouse brain tissue with NINJ1 antibody at 5 ug/ml.



Immunofluorescence of NINJ1 in mouse brain tissue with NINJ1 antibody at 20 ug/ml.

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