

Product datasheet for **TA349100**

Ninjurin 1 (NINJ1) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, IF, IHC |
| Recommended Dilution: | NINJ1 antibody can be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | NINJ1 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human NINJ1. |
| Specificity: | NINJ1 antibody is human, mouse and rat reactive. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | NINJ1 antibody is affinity chromatography purified via peptide column. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | Predicted: 17 kDa; Observed: 16 kDa |
| Gene Name: | ninjurin 1 |
| Database Link: | NP_004139 Entrez Gene 18081 Mouse Entrez Gene 25338 Rat Entrez Gene 4814 Human Q92982 |



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| 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 (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). |
| Synonyms: | NIN1; NINJURIN |
| Protein Families: | Transmembrane |