

Datasheet for ABIN7451170  
**anti-Nischarin antibody (AA 1100-1150)**



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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg                                   |
| Target:              | Nischarin (NISCH)                        |
| Binding Specificity: | AA 1100-1150                             |
| Reactivity:          | Human                                    |
| Host:                | Rabbit                                   |
| Clonality:           | Polyclonal                               |
| Conjugate:           | This Nischarin antibody is un-conjugated |
| Application:         | Immunoprecipitation (IP)                 |

## Product Details

|               |   |
|---------------|---|
| Purpose:      | Rabbit anti-NISCH Antibody, Affinity Purified |
| Immunogen:    | Between AA 1100 and 1150                      |
| Isotype:      | IgG   |
| Purification: | Affinity Purified                             |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Nischarin (NISCH)  |
| Alternative Name: | NISCH ( <a href="#">NISCH Products</a> )   |
| Background:       | Background: Nischarin (NISCH) is a nonadrenergic imidazoline-1 receptor protein that localizes to the cytosol and anchors to the inner layer of the plasma membrane. The orthologous mouse |

## Target Details

protein has been shown to influence cytoskeletal organization and cell migration by binding to alpha-5-beta-1 integrin. In humans, this protein has been shown to bind to the adapter insulin receptor substrate 4 (IRS4) to mediate translocation of alpha-5 integrin from the cell membrane to endosomes. Expression of NISCH was reduced in human breast cancers while its overexpression reduced tumor growth and metastasis, possibly by limiting the expression of alpha-5 integrin. In human cardiac tissue, this gene was found to affect cell growth and death while in neural tissue it affected neuronal growth and differentiation[taken from NCBI Entrez Gene (Gene ID: 11188)].

Gene ID: 11188

UniProt: [Q9Y2I1](#)

## Application Details

Application Notes: IP: 2 - 10 µg/mg lysate  
WB: Not recommended. ABIN7451170 has not performed satisfactorily when used for WB of NISCH in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of NISCH.

Restrictions: For Research Use only

## Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 12 months