

DATASHEET

Nischarin Rabbit Polyclonal Antibody

CAT. NO. APA16290

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | Nischarin | Source / Host | Rabbit |
| Reactivity | Human, Mouse | Clonality | Polyclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

Acts either as the functional imidazoline-1 receptor (I1R) candidate or as a membrane-associated mediator of the I1R signaling. Binds numerous imidazoline ligands that induces initiation of cell-signaling cascades triggering to cell survival, growth and migration. Its activation by the agonist rilmenidine induces an increase in phosphorylation of mitogen-activated protein kinases MAPK1 and MAPK3 in rostral ventrolateral medulla (RVLM) neurons that exhibited rilmenidine-evoked hypotension . Blocking its activation with efaroxan abolished rilmenidine-induced mitogen-activated protein kinase phosphorylation in RVLM neurons . Acts as a modulator of Rac-regulated signal transduction pathways .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:2000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

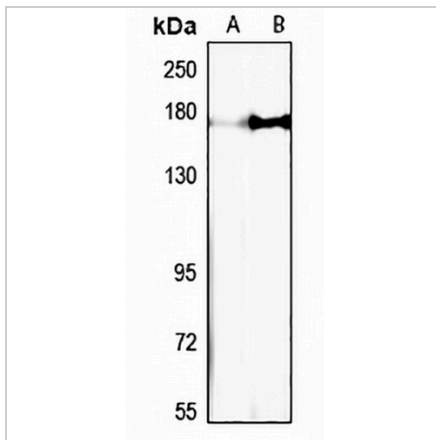
| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to Nischarin |
| Specificity | Recognizes endogenous levels of Nischarin protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human Nischarin. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 56; Observed: 166 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | IRAS; KIAA0975; Nischarin; Imidazoline receptor 1; I-1; IR1; Imidazoline receptor antisera-selected protein; hIRAS; Imidazoline-1 receptor; I1R; Imidazoline-1 receptor candidate protein; I-1 receptor candidate protein; I1R candidate protein |
| Gene Symbol | NISCH |
| Entrez Gene | 11188(Human); 64652(Mouse) |
| SwissProt | Q9Y2I1(Human); Q80TM9(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arex.bio or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Nischarin expression in Jurkat (A), mouse brain (B) whole cell lysates. (Predicted band size: 56; 63; 110; 166 kD; Observed band size: 166 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.