

Rabbit anti-Human NISCH Polyclonal Antibody | anti-NISCH antibody

NISCH Antibody

CATALOG # AAA232358	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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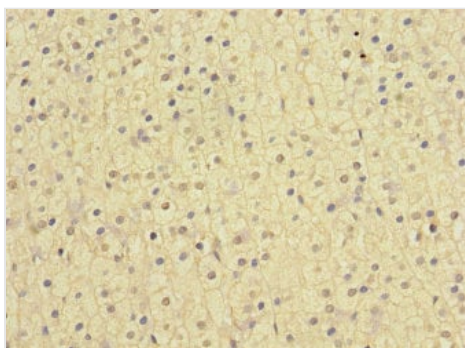
PRODUCT SYNONYMS

NISCH; Polyclonal Antibody; NISCH Antibody; 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; IRAS; KIAA0975; anti-NISCH antibody

PRODUCT SPECIFICATIONS

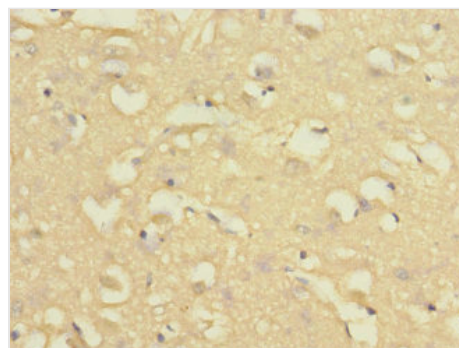
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	583
Applicable Applications for anti-NISCH antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Nischarin protein (500-700AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-47239 / sc-47239
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human adrenal gland tissue AAA232358 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue AAA232358 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-NISCH antibody	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 (By similarity). Blocking its activation with efaroxan abolished rilmenidine-induced mitogen-activated protein kinase phosphorylation in RVLM neurons (By similarity). Acts as a modulator of Rac-regulated signal transduction pathways (By similarity). Suppresses Rac1-stimulated cell migration by interacting with PAK1 and inhibiting its kinase activity (By similarity). Also blocks Pak-independent Rac signaling by interacting with RAC1 and inhibiting Rac1-stimulated NF-kB response element and cyclin D1 promoter activation (By similarity). Inhibits also LIMK1 kinase activity by reducing LIMK1 'Tyr-508' phosphorylation (By similarity). Inhibits Rac-induced cell migration and invasion in breast and colon epithelial cells (By similarity). Inhibits lamellipodia formation, when overexpressed (By similarity). Plays a role in protection against apoptosis. Involved in association with IRS4 in the enhancement of insulin activation of MAPK1 and MAPK3. When overexpressed, induces a redistribution of cell surface ITGA5 integrin to intracellular endosomal structures.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	443497968
NCBI GeneID	11188
NCBI Accession #	NP_001263222.1
NCBI GenBank Nucleotide #	NM_001276293.1
UniProt Accession #	Q9Y211; Q6PGP3; Q6PIB4; Q7L8M3; Q7Z2X6; Q9UES6; Q9UEU4; Q9UFW3; C9J245
Molecular Weight	56,867 Da
NCBI Official Full Name	nischarin isoform 2
NCBI Official Synonym Full Names	nischarin
NCBI Official Symbol	NISCH
NCBI Official Synonym Symbols	I-1; IR1; IRAS; hIRAS
NCBI Protein Information	nischarin
UniProt Protein Name	Nischarin
UniProt Gene Name	NISCH
UniProt Synonym Gene Names	IRAS; KIAA0975; I-1; IR1; hIRAS; I1R; I-1 receptor candidate protein; I1R candidate protein
UniProt Entry Name	NISCH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.