

anti- NISCH antibody

Product Information

Catalog No.:	FNab05740
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Acts either as the functional imidazoline-1 receptor(IIR) candidate or as a membrane-associated mediator of the IIR 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 ventrolateralmedulla(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.

Immunogen information

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Immunogen: nischerin
Synonyms: IRAS, KIAA0975
Observed MW: 190-200 kDa
UniprotID : Q9Y2I1

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IP
Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000
Image:



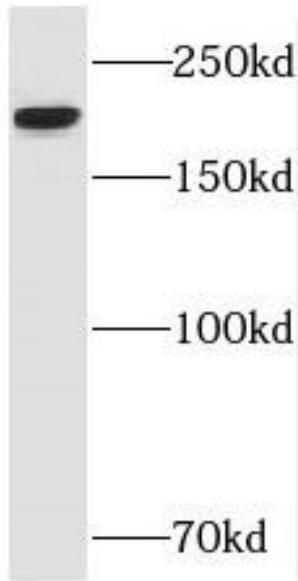
IP Result of anti-NISCH (IP:FNab05740, 4ug;
Detection:FNab05740 1:500) with mouse brain
tissue lysate 4000ug.

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mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab05740(NISCH antibody) at dilution of 1:300