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℃ for 12 months(Avoid repeated freeze / thaw cycles.)

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(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

Immunogen:	nischarin
Synonyms:	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)|NISCH|IRAS|KIAA0975

Observed MW: 190-200 kDa

Uniprot ID : Q9Y2I1

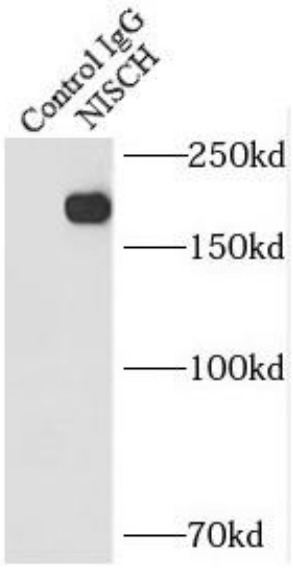
Application

Reactivity: Human, Mouse, Rat

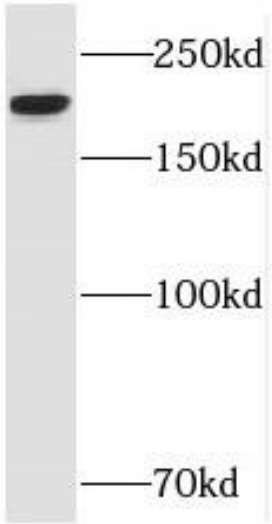
Tested Application: ELISA, WB, IP

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.



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