

bs-11105R**[Primary Antibody]**

Ninjurin 1 Rabbit pAb

Bioss
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow, Chicken, Dog) Predicted MW.: 16 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 4814	SWISS: Q92982	
Target: Ninjurin 1		
Immunogen: KLH conjugated synthetic peptide derived from human Ninjurin 1: 1-80/152.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Ninjurin family proteins are multi-pass membrane proteins induced by nerve injury in Schwann cells and dorsal root ganglion neurons. Ninjurin proteins act as homophilic cell adhesion molecules that promote axonal growth. Ninjurin proteins also play a role in the formation and function of other tissues. Ninjurin-1 is widely expressed in adult and embryonic tissues, particularly those with epithelial origin. Ninjurin-2 is also widely expressed, with highest levels in adult bone marrow and peripheral blood lymphocytes and embryo liver, thymus and heart. The genes that encode the Ninjurin proteins map to a region known to cause several genetic disorders, including hereditary sensory neuropathy type I and type II (HSN1 and HSN2). However, no link between mutations in the genes encoding Ninjurins and the diseases have been found.		

— SELECTED CITATIONS —

- **[IF=9.587]** Shi Yunhong. et al. N,N-Dimethyl-3 β -hydroxycholeamide attenuates neuronal death and retinal inflammation in retinal ischemia/reperfusion injury by inhibiting Ninjurin 1. J NEUROINFLAMM. 2023 Dec;20(1):1-18 WB ;Mouse. 37029422
- **[IF=9.3]** Chen Lushu. et al. Ganglion cell-derived LysoPS induces retinal neovascularisation by activating the microglial GPR34-PI3K-AKT-NINJ1 axis. J NEUROINFLAMM. 2024 Dec;21(1):1-16 IF ;Mouse. 39468551
- **[IF=6.086]** Minoshima A et al. Pericyte-Specific Ninjurin1 Deletion Attenuates Vessel Maturation and Blood Flow Recovery in Hind Limb Ischemia. Arterioscler Thromb Vasc Biol. 2018 Oct;38(10):2358-2370. IHC ;Mouse. 30354207
- **[IF=5.6]** Chehao Lee. et al. Calcium/P53/Ninjurin 1 Signaling Mediates Plasma Membrane Rupture of Acinar Cells in Severe Acute Pancreatitis. INT J MOL SCI. 2023 Jan;24(14):11554 IF ;Mouse. 37511311
- **[IF=3.68]** Matsuki, Motoki, et al. "Ninjurin1 Is a Novel Factor to Regulate Angiogenesis Through the Function of Pericytes." Circulation Journal 0 (2015). IHC ;="Mouse". 25766274