## ន្ត្ត Nischarin (D6T4X) Rabbit mAb





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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 200	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q9Y2I1	Entrez-Gene Id: 11188		
Product Usage Information	•	<b>Application</b> Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	Nischarin (D6T4X) Rabbit mAb recognizes endogenous levels of total nischarin protein. The antibody detects a 60 kDa background band of unknown identity by western blot.						
Source / Purific	<b>Durce / Purification</b> Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponent residues near the amino terminus of human nischarin protein.					prresponding to		
Background	BackgroundNischarin (also known as imidazoline receptor antisera-selected protein, IRAS) was first identified through its association with the cytoplasmic domain of integrin α5, and shown to regulate cell migration and cystoskeletal organization (1). Nischarin regulates Rac-1 signaling (2), as well as the p21-activated kinase (PAK) (3) and cofilin/L pathways (4). Nischarin also interacts with LKB1, regulating the migration and metastatic behav breast epithelial cells (5). In addition, nischarin regulates neuronal migration in rat brain (6). Research studies have implicated nischarin in the regulation of invasion and metastasis of brea cancer (7,8). Researchers have shown that nischarin is frequently downregulated in ovarian can regulates invasion through focal adhesion kinase (FAK) signaling (9).							
Background Re	eferences	<ol> <li>Alahari, S.K. et al. (2000) <i>J Cell Biol</i> 151, 1141-54.</li> <li>Reddig, P.J. et al. (2005) <i>J Biol Chem</i> 280, 30994-1002.</li> <li>Alahari, S.K. et al. (2004) <i>EMBO J</i> 23, 2777-88.</li> <li>Ding, Y. et al. (2008) <i>Mol Cell Biol</i> 28, 3742-56.</li> <li>Jain, P. et al. (2013) <i>J Biol Chem</i> 288, 15495-509.</li> <li>Ding, Y. et al. (2013) <i>PLoS One</i> 8, e54563.</li> <li>Chen, J. et al. (2015) <i>Mol Med Rep</i> 12, 77-82.</li> <li>Baranwal, S. et al. (2011) <i>J Natl Cancer Inst</i> 103, 1513-28.</li> <li>Li, J. et al. (2015) <i>Mol Cancer Ther</i> 14, 1202-12.</li> </ol>						
Species Reactiv	vity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications K	ey	W: Western Blotting						
Cross-Reactivit	ty Key	H: Human M: Mouse						
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