

WNK4 Antibody



877-616-CELL (2355) Orders:

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W	Reactivity: H M R Dg	Sensitivity: Endogenous	MW (kDa): 135-140	Source/Isotype: Rabbit	UniProt ID: #Q96J92	Entrez-Gene Id 65266
Product Usage Information		Application Western Blotting			Dilution 1:1000	
torage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		WNK4 Antibody detects endogenous levels of total WNK4 protein.				
Species predicted to react based on 100% sequence homology		Bovine				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a sythetic peptide corresponding to residues surrounding Lys59 of human WNK4. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		place of lysine in subc transfer is located in a identified in humans in the WNK1 and WN autosomal dominant WNK4 is specifically e predominantly expres significant decrease in phosphorylated by Ak	domain II of İts kina an atypical position (WNK1-4) and have K4 genes in human disorder leading to xpressed in the kid ssed in polarized ep n blood pressure, w kt at Thr60 (6). In ac	rine/threonine kinases is se activation domain (1, in the catalytic domain. been implicated in regu s cause pseudohypoaldo hypertension, hyperkaloney, whereas WNK1 has ithelia (1-3). Heterozygo hile homozygous mutat dition, WNK1 may be au equired for its kinase acti	2). The lysine necessificating ion permeable steronism type II (lemia, and renal tube a wider distribution was Wnk1 mutations ions are embryonic tophosphorylated	ssary for phosphoryl nembers have been ility (3). Mutations PHAII), an Jular acidosis (4). In but is Is in mice result in a I lethal (5). WNK1 is
Background References		 Veríssimo, F. and Jordan, P. (2001) Oncogene 20, 5562-9. Xu, B. et al. (2000) J Biol Chem 275, 16795-801. Choate, K.A. et al. (2003) Proc Natl Acad Sci USA 100, 663-8. Wilson, F.H. et al. (2001) Science 293, 1107-12. Zambrowicz, B.P. et al. (2003) Proc Natl Acad Sci USA 100, 14109-14. Vitari, A.C. et al. (2004) Biochem J 378, 257-68. Xu, B.E. et al. (2002) J Biol Chem 277, 48456-62. 				
Species Reactiv	rity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Dg: Dog

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