e at -20C	NEDD4 Antibody		Cell Signaling		
Store (Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#		3 Trask Lane Danvers M	assachusetts 01923 USA		

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

	activity: Sensitivity: M R Mk Endogenous	MW (kDa): 115	Source: Rabbit	UniProt ID: #P46934	Entrez-Gene Id: 4734		
Product Usage Information	Application Western Blotting				Dilution 1:1000		
	Immunofluorescence (I Flow Cytometry (Fixed/	2	try)		1:50 1:50		
Storage	••	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		This antibody detects endogenous levels of total NEDD4 protein. The antibody may also recognize other NEDD4-like proteins, including NEDD4L (NEDD4-2).					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to human NEDD4 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	Neural precursor express as a gene that is highly Subsequently, a family of (2). NEDD4 and NEDD4 dependent phospholipid (WW domains), and an been shown to downreg channels (ENaCs) in ress NEDD4 bind to PY motif ubiquitination of these p internalization and remo PY motifs in ENaC prote hypertension (5). In add regulate TGF-β signaling cleaved by caspase pro	expressed in the ea of NEDD4-like prote 1-like (NEDD4L) prot 1 and membrane bir E3 ubiquitin-protein ulate both neurona sponse to increased fs (amino acid sequ roteins is mediated wal from the plasma eins is associated w ition to targeting so g by targeting Smart teins during apopto	arly mouse embryor bins have been defir beins contain multip nding domain (C2 du ligase domain (HE l voltage-gated Na ⁺ d intracellular Na ⁺ c hence PPXY) found by the HECT doma a membrane. Resea with Liddle's syndron dium channels, NEI d2 for degradation (sis, although the sig	hic central nervous systemed that includes seven be functional domains in omain), two to four prote CT domain). NEDD4 ar channels (NaVs) and e oncentrations (3,4). The in multiple NaV and EN ain of NEDD4 and result arch studies have show ne, an autosomal domir DD4L has also been shu 6). Mouse and human N gnificance of this cleava	em (1). members in humans ncluding a calcium- ein binding domains nd NEDD4L have pithelial Na ⁺ e WW domains of aC proteins; as in their n that mutation of the nant form of own to negatively NEDD4 are rapidly		
Background Reference	 Kumar, S. et al. (1992 Harvey, K.F. and Kum Dinudom, A. et al. (19 Goulet, C.C. et al. (19 Staub, O. et al. (1996) Kuratomi, G. et al. (20 Harvey, K.F. et al. (19 	nar, S. (1999) Trend 198) Proc Natl Acad 198) J Biol Chem 27) EMBO J 15, 2371 105) Biochem J 386	s <i>Cell Biol</i> 9, 166-9. <i>Sci USA</i> 95, 7169- 73, 30012-7. -80. 5, 461-70.				
Species Reactivity	Species reactivity is dete	rmined by testing ir	n at least one appro	ved application (e.g., w	estern 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		WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)					
Cross-Reactivity Key	X: Xenopus Z: zebrafish	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 					

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Limited Uses

NEDD4 Antibody (#2740) Datasheet Without Images Cell Signaling Technology

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