NCoR1 (E4S4N) Rabbit mAb Image: Cell Signaling Telech Nology Utter Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com Trask Lane | Danvers | Massachusetts | 01923 | USA

Applications: W, IP, IHC-P, IF-IC, ChIP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 270	Source/Isotype: Rabbit IgG	UniProt ID: #075376	Entrez-Gene Id: 9611	
Product Usage Information		For optimal ChIP and ChIP-seq results, use 10 μl of antibody and 10 μg of chromatin (approximately 4 × 10^6 cells) per IP. This antibody has been validated using SimpleChIP® Enzymatic Chromatin IP Kits.					
		Application Western Blotting Immunoprecipitatior Immunohistochemis Immunofluorescence Chromatin IP	try (Paraffin)	iistry)		Dilution 1:1000 1:200 1:100 1:800 1:50	
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/Sensitivity		NCoR1 (E4N4S) Rabbit mAb recognizes endogenous levels of total NCoR1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the carboxy terminus of human NCoR1 protein.					
Background		acid and thyroid horr NCoR1 functions to tu receptors by serving remodeling factors th deacetylation of core possesses multiple di additional componen between the RDs lies TFIIIB), which recruit (3). The C-terminal po each of which contair	none receptors) and ranscriptionally siler as a large molecula hat repress nuclear histones surroundi istinct transcription ats of the corepresso a pair of potent rep HDAC3 and histone ortion of NCoR1 con as a conserved CoRI	ptor corepressors are SI I its close paralog NCoR nee various unliganded, r scaffold that bridges th receptor-mediated gene ng target promoters. Inc al repression domains (R or complex such as HDAG ressor motifs known as s to the repressor comp tains multiple nuclear re NR box (or L/I-X-X-I/V-I) n such as thyroid hormone	I (nuclear receptor DNA bound non-ste receptors with m transcription, in pa deed, the N-termina Ds) reponsible for t Cs, mSin3, GPS2, an SANT motifs (SWI3, lex in order to enha ceptor interaction of notif that allow for l	corepressor) (1,2). eroidal nuclear ultiple chromatin art, through al portion of NCoR1 the recruitment of d TBL1/TBLR1. In ADA2, N-CoR, and nce HDAC3 activity domains (NDs), binding to various	
		NCoR1 but have also development and phy embyonic developme during mid-gestation demonstrated that th	provided significan ysiology. Although i ent, likely due to cor I, largely due to defe NDs of NCoR1 are	only corroborated the we t insight regarding the fu t has been observed tha npensation by <i>Smrt</i> , eml ects in erythropoesis and e critical for its ability to and Liver X Receptor (LX	unction of NCoR1 in t loss of <i>Ncor1</i> does oryonic lethality ulti l thymopoesis (6). A function in a physio	mammalian s not affect early mately results nother study	
Background Ref	ferences	4. Downes, M. et al. (5. Wong, C.W. and Pri 6. Jepsen, K. et al. (20	1995) <i>Nature</i> 377, 39 Y.B. (2003) <i>Curr Top</i> 1996) <i>Nucleic Acids</i> ivalsky, M.L. (1998) <i>I</i> 00) <i>Cell</i> 102, 753-63	97-404. 9 <i>Microbiol Immunol</i> 274 Res 24, 4379-86. Mol Cell Biol 18, 5724-33.			

Species reactivity is determined by testing in at least one approved 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 IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) ChIP: Chromatin IP				
Cross-Reactivity Key	H: Human				
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