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NAC1 Antibody	T C	Cell Signaling	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
Ω.	Support:	877-678-TECH (8324)	
#4183	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane   Danvers   I	Massachusetts   01923   USA	

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

Applications: WB	<b>Reactivity:</b> M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 62	Source: Rabbit	UniProt ID: #Q96RE7	Entrez-Gene Id: 112939	
Product Usage Information	•	oplication estern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity / Sensitiv		NAC1 Antibody detects endogenous levels of total NAC1 protein in mouse and rat and weakly detects human NAC1 protein.					
Species predicted t react based on 1009 sequence homology	%	man					
Source / Purification	ami		rrounding Ala321 o		n a synthetic peptide cor ein. Antibodies are purif		
Background	fing ider beh neu NA Wel gen GA	er/bric-a-brac tramtra ntified in a unique neu naviors (1,2). NAC1 re uronal cells (3) and sp C1 is upregulated in s I as high grade ovaria ne (5,6). The chemore	ack broad complex uronal forebrain str ecruits HDAC3 and pecifically co-repre- several tumor type an serous carcinon esistance mechanis AC1 has also been	) domain family. Also ucture responsible f I HDAC4 to transcrip sses other POZ/BTE s, including breast, r na, where it has long sm reportedly occurs n described as part o	to the POZ/BTB (Pox vi b) known as BTBD14B, it or reward motivation and otionally repress gene ex- g proteins in the central r enal cell, and hepatocel g been suspected as a cl s through NAC1 negative of the extended transcrip and Sall4 (8).	was originally d addictive pression in nervous system (4). lular carcinoma, as hemoresistance e regulation of the	
Background Refere	2. M 3. K 4. K 5. N 6. Y 7. J	Calivas, P.W. et al. (19 Mackler, S.A. et al. (20 Corutla, L. et al. (2005 Corutla, L. et al. (2005 Jakayama, K. et al. (200 Jakayama, K. et al. (200 inawath, N. et al. (200 Cim, J. et al. (2008) C	200) J Neurosci 20 j) J Neurochem 94 ) Neurochem Int 5 2006) Proc Natl Act 08) Clin Cancer Re 09) Oncogene 28,	, 6210-7. , 786-93. 4, 245-52. ad <i>Sci USA</i> 103, 187 s 14, 1686-91.	739-44.		
Species Reactivity	Spee	cies reactivity is deter	rmined by testing i	n at least one approv	ved application (e.g., we	stern 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	WB: Western Blotting					
Cross-Reactivity Ke	<b>X</b> : X	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					

Trademarks and Patents

Limited Uses

NAC1 Antibody (#4183) Datasheet Without Images Cell Signaling Technology

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