

**Limited Uses** 

## **NAC1 Antibody**



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Applications: R	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 62	Source/Isotype: Rabbit	<b>UniProt ID:</b> #Q96RE7	Entrez-Gene Id 112939
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		NAC1 Antibody detects endogenous levels of total NAC1 protein.				
Species predicted to react based on 100% sequence homology		Monkey				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to an amino acid sequence at the carboxyl terminus of human NAC1. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		finger/bric-a-brac tran identified in a unique behaviors (1,2). NAC1 neuronal cells (3) and (4). NAC1 is upregulat carcinoma, as well as chemoresistance gene negative regulation of	ntrack broad compl neuronal forebrain recruits HDAC3 and specifically co-repre ed in several tumor high grade ovarian e (5,6). The chemore f the GADD45 pathy	r factor that belongs to ex) domain family. Also structure responsible for I HDAC4 to transcription esses other POZ/BTB protypes, including breast, serous carcinoma, where esistance mechanism revay (7). NAC1 has also be that involves Oct-4, So	known as BTBD14B or reward motivationally repress gene expeteins in the central renal cell, and hepere it has long been seportedly occurs through	, it was originally n and addictive xpression in nervous system atocellular suspected as a ough NAC1 art of the extended
Background References		1. Kalivas, P.W. et al. (1 2. Mackler, S.A. et al. (2 3. Korutla, L. et al. (20 4. Korutla, L. et al. (20 5. Nakayama, K. et al. 6. Yeasmin, S. et al. (20 7. Jinawath, N. et al. (2 8. Kim, J. et al. (2008) (2008)	2000) Ĵ Neurosci 20, 05) J Neurochem 94 09) Neurochem Int (2006) Proc Natl Ac 008) Clin Cancer Re. 1009) Oncogene 28,	6210-7. , 786-93. 54, 245-52. <i>ad Sci USA</i> 103, 18739-4 s 14, 1686-91.	4.	
Species Reactivity		Species reactivity is de	etermined by testing	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				
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