#

ADAR1 (E6X9R) XP[®] Rabbit mAb



Orders:877-616-CELL (2355)
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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP, IHC-P, IF-IC, FC-FP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 110, 150	Source/Isotype: Rabbit IgG	UniProt ID: #P55265	Entrez-Gene Id: 103	
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemisti Immunofluorescence Flow Cytometry (Fixed	(Immunocytochem	istry)	1:800	00	
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. <i>Do not aliquot the antibody.</i>					
		For a carrier free (BSA	and azide free) ver	sion of this product see	product #95404.		
Specificity/Sensitivity		ADAR1 (E6X9R) $XP^{ extsf{8}}$ Rabbit mAb recognizes endogenous levels of total ADAR1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu419 of human ADAR1 protein.					
Background Ret	ferences	diversity in RNA and p common form of RNA RNA by the adenosine pairs with cytidine, it is to alteration in the pro- can also influence RNA miRNAs, affecting sub ADAR1 is ubiquitously resulting from transcr expressed in the nucle cytoplasm. The induct RNA editing in the innu- development, particul hematopoietic stem co	rotein is achieved the editing is the conver- deaminase acting of sinterpreted as a gotein sequence, as we a sequence recogni sequent RNA proce- expressed with two iption using alterna- eus, while ADAR1L in ate immune respon- arly in hematopoies ells from destructio- shikura, K. (2009) V	such as RNA editing, is a nat is not otherwise enco- ersion of adenosine (A) in on RNA (ADAR) family of uanosine by the splicing vell as generation of spli- tion by RNA-binding pro ssing, stability, and prot o known isoforms, ADAR tive promoters and star is interferon-inducible an sponse to cellular stress ise (1,7). In addition, AD, sis and suppression of ir n in fetal liver and adult <i>Viley Interdiscip Rev Syste</i> ol 7, 919-31.	boded by the genom nto inosine (I) on do proteins (1-3). Since and translational r cing isoforms (1,4- teins and non-codi ein expression leve 1L (p150) and ADAI t codons. ADAR1S i d present in both t and viral infection AR1 is essential in r tterferon signaling bone marrow (8,9).	ne (1,2). The most ouble-stranded te inosine base machinery, leading 6). A-to-I editing ng RNA, such as els (2). R1S (p110), s constitutively the nucleus and the suggests a role for nammalian to protect	
		3. Bass, B.L. (2002) <i>An</i> , 4. Reenan, R.A. (2001) 5. Maas, S. et al. (2006) 6. Rueter, S.M. et al. (1 7. Patterson, J.B. and S 8. Iizasa, H. and Nishik 9. Hartner, J.C. et al. (20	<i>Trends Genet</i> 17, 5) <i>RNA Biol</i> 3, 1-9. 999) <i>Nature</i> 399, 75 Jamuel, C.E. (1995) Jura, K. (2009) <i>Nat I</i>	3-6. -80. Mol Cell Biol 15, 5376-88 mmunol 10, 16-8.			
Species Reactiv	ity	Species reactivity is de	termined by testing	g in at least one approve	d 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.				n 5% w/v BSA, 1X	
Applications Key		W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)					

Cross-Reactivity Key	H: Human Mk: Monkey				
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