3/23/24, 11:30 AM Revision 4

Store at COC at 200 Store at 200	3A4) XP [®]	[®] Rabbit mA	\b			5916 Dilution 1:1000 1:100 1:200 - 1:800 1:400 - 1:800 1:400 - 1:1600 o glycerol and less than rotein. Based upon is antibody does not corresponding to y separate genes: α oforms, which are n their N-terminal regions. Rs function as ligand- tinoid X receptors (RXRs). n cellular differentiation, ety of biological I-6). RAR mutations, ions result in multiple	
Stor					Orders:	· · ·	
ប					Support:	877-678-TECH (8324)	
#8965					Web:		
				3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only							
Applications: WB, IP, IHC-P, IF-IC, FC-FP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 58	Source/Isotype: Rabbit IgG	UniProt ID: #P13631		
Product Usage Information	А	pplication			Dil	ution	
		Western Blotting				1:1000	
		Immunoprecipitation				1:100	
		Immunohistochemistry (Paraffin) Immunofluorescence (Immunocytochemistry)					
		ow Cytometry (Fixed		listry)			
Storage	Su	pplied in 10 mM sodi	um HEPES (pH 7	7.5), 150 mM NaCl, 100 not aliquot the antibody	µg/ml BSA, 50% gly		
Specificity / Sensi	tivity RA se	λRγ1 (D3A4) XP [®] Ra	bbit mAb recogni is antibody is not	zes endogenous levels o predicted to cross-react	of total RARy1 prote		
Species predicted react based on 10 sequence homolo	0%	t, Hamster, Bovine, E	Dog				
Source / Purificati		phoclonal antibody is sidues near the aming		nunizing animals with a s nan RARy1 protein.	ynthetic peptide co	rresponding to	
Background	(N ge de Th pro fus	R1B1), β (NR1B2), au nerated by differentia tinoids, which are me pendent transcription ese transcriptionally a pliferation, and apopte pocesses, including de tion proteins, altered	nd y (NR1B3). Fo I promoter usage etabolites of vitam al regulators and active dimers reg osis (2,3). Conservelopment, repro expression levels	nin A, serve as ligands fo	e at least two isofor and differ only in th or RARs (1). RARs f imerized with retino jenes involved in ce al roles in a variety organogenesis (4-6) ational modification	ms, which are eir N-terminal regions. function as ligand- id X receptors (RXRs). ellular differentiation, of biological . RAR mutations,	
	ex ide hu RA tra ap	pression pattern (7). Intified a role for RAR man and mouse epid Ry expression in the nscriptional program	The hematopoieti ty in hematopoiet ermis, representi skin, it has been that governs mai criptional activity	ic stem cell maintenance ng 90% of the RARs in t suggested that this nuc ntenance and differentia of RARy is under stringe	hificant levels of RA e (8). RARγ is the p his tissue (9-11). Gi lear receptor partici tion of normal epide	Ry, and a recent study redominant subtype in iven the high level of pates in a ermis and skin	
Background Refe	2. 3. 4. 5. 6. 7.	Delacroix, L. et al. (20 Eifert, C. et al. (2006) Mark, M. et al. (2006)	010) Mol Cell Bio. Mol Reprod Dev Annu Rev Pharr Dollé, P. (2008) / Nucl Recept Sig Recept Signal 7,	/ 73, 796-824. nacol Toxicol 46, 451-80 Nat Rev Genet 9, 541-53 Inal 7, e002. e006.			

3/24, 11:30 AM	 RARγ1 (D3A4) XP® Rabbit mAb (#8965) Datasheet Without Images Cell Signaling Technology 9. Fisher, G.J. et al. (1994) <i>J Biol Chem</i> 269, 20629-35. 10. Zelent, A. et al. (1989) <i>Nature</i> 339, 714-7. 11. Elder, J.T. et al. (1991) <i>J Invest Dermatol</i> 96, 425-33. 12. Giannì, M. et al. (2002) <i>EMBO J</i> 21, 3760-9. 			
Species Reactivity	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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB : Western Blotting IP : Immunoprecipitation IHC-P : Immunohistochemistry (Paraffin) IF-IC : Immunofluorescence (Immunocytochemistry) FC-FP : Flow Cytometry (Fixed/Permeabilized)			
Cross-Reactivity Key	 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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