e at -20C	β-Arrestin 1 (D8O3J) Rabbit mAb	H.	Cell Signaling тесн N о L о д Y®
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For Research Ose Only. Not for Ose in Diagnostic Procedures

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 51	Source/Isotype: Rabbit IgG	UniProt ID: #P49407	Entrez-Gene Id: 408	
Product Usage Information	Aŗ	oplication			Dilution		
	vve Im	munoprecipitation			1:1000		
Storage	Sup 0.02	oplied in 10 mM sodiu 2% sodium azide. Sto	ım HEPES (pH ⁻ ore at –20°C. Do	7.5), 150 mM NaCl, 100 o not aliquot the antibody	μg/ml BSA, 50% glyce /.	erol and less than	
Specificity / Sensitiv	/ity β-a doe	β -arrestin 1 (D8O3J) Rabbit mAb recognizes endogenous levels of total β -arrestin 1 protein. This antibody does not cross-react with β -arrestin 2.					
Source / Purification	n Mor resi	noclonal antibody is p idues near the carbox	broduced by imn ky terminus of hi	nunizing animals with a s uman β-arrestin 1 protei	synthetic peptide corre n.	sponding to	
Background	Arre liga pho sigr and arre fune Src rec to t t A re res to g (11)	estin proteins function and binding stimulates osphorylated GPCR a naling (1). Four distin- d arrestin 4 (X-arrestin estin 1) and arrestin 3 ction as adaptor and family proteins to GF eptor tyrosine kinase he nucleus and help esearch study has sh ponses observed am glucocorticoid recepto).	as negative reg GPCR phosph- ind the eventual ct mammalian a h) are localized t g (β-arrestin 2) a scaffold proteins PCRs in Erk acti- signaling pathw regulate transcri own that non-vis ong family mem r activation whe	gulators of G protein-cou orylation, which is follow internalization of the rec rrestin proteins are know to retinal rods and cones re ubiquitously expresses and play important role vation pathways (3,4). β ays (5-8). Additional evi- ption by binding transcri sual β -arrestins respond bers. Specifically, β -arre reas β -arrestin 2 shows	upled receptor (GPCR) ed by binding of arrest ceptor and desensitiza vn. Arrestin 1 (also kno s, respectively. Arrestin ed and bind to most GF is in other processes, s -arrestins are also invo dence suggests that β - ptional cofactors (9,10 to glucocorticoid signa stin 1 expression is inv a concomitant decreas	signaling. Cognate in to the tion of GPCR wm as S-arrestin) (2 (also known as β - PCRs (2). β -arrestins such as recruiting c- olved in some -arrestins translocate (). aling, with differential creased in response se in expression	
Background Referen	1. S 2. L 3. L 4. L 5. L 6. V 7. L 8. V 9. K 10. N 11. C	Shenoy, S.K. and Lefk efkowitz, R.J. and Sh uttrell, L.M. et al. (19 uttrell, L.M. et al. (19 uttrell, L.M. and Lefk Vaters, C. et al. (2004 efkowitz, R.J. and W Vaters, C.M. et al. (2005) (Xang, J. et al. (2005) (Aa, L. and Pei, G. (20 Dakley, R.H. et al. (20	kowitz, R.J. (200 henoy, S.K. (200 99) <i>Science</i> 283 99) <i>Curr Opin C</i> owitz, R.J. (2002 4) <i>Semin Cell De</i> halen, E.J. (2002 005) <i>Cell Signal</i> <i>Cell</i> 123, 833-47 07) <i>J Cell Sci</i> 12 12) <i>Proc Natl Ac</i>	5) <i>Sci STKE</i> 2005, cm1 5) <i>Science</i> 308, 512-7. 8, 655-61. <i>ell Biol</i> 11, 177-83. 2) <i>J Cell Sci</i> 115, 455-65 <i>ev Biol</i> 15, 309-23. 4) <i>Curr Opin Cell Biol</i> 16 17, 263-77. 7. 20, 213-8. <i>cad Sci U S A</i> 109, 1759	D. 5. 5, 162-8. 1-6.		
Species Reactivity	Spe	cies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., we	estern 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	: Western Blotting IP	: Immunoprecipi	itation			

3/23/24, 1:36 PM Cross-Reactivity Key	 β-Arrestin 1 (D8O3J) Rabbit mAb (#12697) Datasheet Without Images Cell Signaling Technology 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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