1977 1987 1990 (C45G5) Rabbit mAb (HRP Conjugate)						Cell Signaling	
Stor					Orders:	877-616-CELL (2355) orders@cellsignal.com	
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962#					Web:	info@cellsignal.com cellsignal.com	
		Dia mandia Dua a		3 Trask	Lane Danvers Mass	achusetts 01923 USA	
For Research Use Only. N		Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:	
Applications: WB	Reactivity: H M R Mk	Endogenous	90	Rabbit IgG	#P08238, #P07900	3326, 3320	
Product Usage Information	-	plication stern Blotting			Dilution 1:1000		
Storage	Sup	0			nate (pH 7.4) dibasic, 2 i	mg/ml BSA, and	
Specificity / Sensitiv	vity HSF		mAb (HRP Conji	ugate) detects endoge	enous levels of total HSR	90 protein. This	
Species predicted to react based on 1009 sequence homology	6	ine					
Source / Purificatior		ioclonal antibody is ian HSP90.	produced by imm	unizing animals with a	a synthetic peptide surro	ounding Asn300 of	
Product Description		This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. The HRP conjugated antibody is expected to exhibit the same species cross-reactivity as the unconjugated HSP90 (C45G5) Rabbit mAb #4877.					
MW (kDa)					90		
Background	main able subs inclu subs mult co-c spec HSF prot	ntain protein homeo to interact with unfo strates in an ATP- a uding newly synthes strates, most of whic i-chaperone system haperones either re- cific substrates or su 270/HSP90 complex- easome (4). The bio essential for the ma	stasis and are inc olded proteins to nd co-chaperone- sized and denatur ch are signaling n n, which requires gulate the intrins ubcellular compar (as a cofactor, th plogical functions turation and inact	duced upon environme prevent irreversible ac dependent manner (1 ed proteins, while HSI nolecules. HSP70 and a minimal set of co-ch ic ATPase activity of th tments (1,4). When th e unfolded substrates of HSP70/HSP90 exte	titutively under normal of ental stress (1). Both HS ggregation and catalyze). HSP70 has a broad r P90 tends to have a mo HSP90 often function of aperones: HSP40, Hop he chaperones or recruit e ubiquitin ligase CHIP are subjected to degrad end beyond their chaper mones and other signali g (2).	SP70 and HSP90 are the refolding of their ange of substrates re limited subset of collaboratively in a , and p23 (2,3). The t chaperones to associates with the dation by the rone activity. They	
Background Refere	2. Ye 3. Pi	oung, J.C. et al. (20	03) Trends Bioch D.O. (2003) Exp.	J. Cell Sci. 115, 2809 em. Sci. 28, 541-547. Biol. Med. 228, 111-1: , 885-890.			
Species Reactivity	Spec	ies reactivity is dete	ermined by testing	in at least one appro	ved application (e.g., we	estern blot).	
Western Blot Buffer				membrane with dilute h gentle shaking, ove	d primary antibody in 59 rnight.	% w/v nonfat dry	
Applications Key	WB:	Western Blotting					

1/1/24, 11:04 AM	HSP90 (C45G5) Rabbit mAb (HRP Conjugate) (#79641) Datasheet Without Images Cell Signaling Technology
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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