e at -20C	HSP90α (D1A7) Rabbit mAb		Cell Signaling TECHNOLOGY®		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#8165		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane   Danvers   Ma	ssachusetts   01923   USA		

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

Applications: WB	<b>Reactivity:</b> H R Hm Mk B Pg	Sensitivity: Endogenous	<b>MW (kDa):</b> 90	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P07900	Entrez-Gene Id: 3320		
Product Usage Information		Application Western Blotting		Dilution 1:1000				
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. Do not aliquot the antibody.						
Specificity / Sensit		HSP90 $\alpha$ (D1A7) Rabbit mAb recognizes endogenous levels of total HSP90 $\alpha$ protein. This antibody does not cross-react with HSP90 $\beta$ or other heat shock proteins.						
Species predicted react based on 100 sequence homolog	0%	9						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu80 of human HSP90 $\alpha$ protein.						
Background	maint able t subst incluc subst multi- co-ch speci HSP7 prote are e	ain protein homeo to interact with unfor rates in an ATP- a ding newly synthes rates, most of whic chaperone system aperones either re- fic substrates or su 70/HSP90 complex asome (4). The bio ssential for the ma	stasis and are inc olded proteins to nd co-chaperone- ized and denatur ch are signaling n n, which requires gulate the intrins ubcellular compar c as a cofactor, th ological functions turation and inact	rones expressed constit duced upon environmen prevent irreversible agg dependent manner (1). ed proteins, while HSPS nolecules. HSP70 and H a minimal set of co-chaj c ATPase activity of the tments (1,4). When the e unfolded substrates a of HSP70/HSP90 exter ivation of nuclear hormo- and protein trafficking (	tal stress (1). Both HS regation and catalyze HSP70 has a broad r 00 tends to have a mo ISP90 often function of berones: HSP40, Hop chaperones or recrui ubiquitin ligase CHIP re subjected to degrad d beyond their chape ones and other signali	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 Refer	2. You 3. Pra	ung, J.C. et al. (20	03) Trends Bioch D.O. (2003) Exp.	J. Cell Sci. 115, 2809-2 em. Sci. 28, 541-547. Biol. Med. 228, 111-133 .885-890.				
Species Reactivity	Specie	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buffe		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:	WB: Western Blotting						
Cross-Reactivity k	X: Xer	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						
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## HSP90a (D1A7) Rabbit mAb (#8165) Datasheet Without Images Cell Signaling Technology

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