e at -20C	HSP40 (C64B4) Rabbit mAb	T C	Cell Signaling		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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Applications: WB, IHC-P	<b>Reactivity:</b> H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 40	Source/Isotype: Rabbit	UniProt ID: #P25685	Entrez-Gene Id: 3337			
Product Usage Information	We	plication estern Blotting munohistochemistry	(Paraffin)		1	<b>Silution</b> :1000 :50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.							
Specificity / Sens		HSP40 (C64B4) Rabbit mAb detects endogenous levels of total HSP40 protein. This antibody does not cross-react with other HSPs.							
Source / Purificat		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to Glu223 of human HSP40/Hdj1.							
Background	coli com prot belo prot HSI prot HSI	DnaJ protein (1). The mon feature of the f teens and responsible ongs to subtype II that reins, prevent their a P40 is to stimulate A reins (4,5). The HSP	ese proteins are amily is a conse of for their associ- at contain a uniq ggregation, and TPase activity of 40-HSP70-unfolo of the protein deg	ent a large family of chap classified into three sub rved J domain, which is ation with HSP70 (1,2). ue Gly/Phe-rich region ( then deliver them to HSP HSP70, which causes of ded protein complex furt gradation machinery suc tively (6).	btypes based on their s usually located at the Human HSP40, also k 2). HSP40 family prote P70 (2,3). Another ma conformational change her binds to co-chape	structures. The amino terminus of mown as Hdj1, eins bind unfolded jor function of e of the unfolded rones Hip, Hop and			
Background References		<ol> <li>Cheetham, M.E. and Caplan, A.J. (1998) <i>Cell Stress Chaperones</i> 3, 28-36.</li> <li>Fan, C.Y. et al. (2003) <i>Cell Stress Chaperones</i> 8, 309-316.</li> <li>Langer, T. et al. (1992) <i>Nature</i> 356, 683-689.</li> <li>Liberek, K. et al. (1991) <i>Proc. Natl. Acad. Sci. USA</i> 88, 2874-2878.</li> <li>Cyr, D.M. et al. (1992) <i>J. Biol. Chem.</i> 267, 20927-20931.</li> <li>Höhfeld, J. et al. (2001) <i>EMBO Rep.</i> 2, 885-890.</li> </ol>							
Species Reactivit	ty Spec	Species reactivity is determined by testing in at least one approved application (e.g., western blot).							
Western Blot Buf		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 IHC-P: Immunohistochemistry (Paraffin)							
Cross-Reactivity	<b>X</b> : X	I: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster C: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse CP: Guinea Pig Rab: rabbit All: all species expected							
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HSP40 (C64B4) Rabbit mAb (#4871) Datasheet Without Images Cell Signaling Technology

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