Background References

Revision 3							
HSP60 (D6F1) XP® Rabbit mAb							
Store					Orders:	877-616-CELL (2355) orders@cellsignal.com	
1 02					Support:	877-678-TECH (8324)	
121					Web:	info@cellsignal.com cellsignal.com	
				3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only Applications: WB, IHC-P, IF-IC, FC- FP	Reactivity: H M R Hm Mk Z B Pg	Sensitivity:	edures. MW (kDa): 60	Source/Isotype: Rabbit IgG	UniProt ID: #P10809	Entrez-Gene Id: 3329	
Product Usage		Application			Dilution		
Information		Western Blotting		1:1000			
		Immunohistochemistry	/ (Paraffin)	1:200 - 1:800			
		Immunofluorescence (Immunocytochem	1:400 - 1:1600			
		Flow Cytometry (Fixed	l/Permeabilized)	1:200 - 1:800			
Storage			u u	.5), 150 mM NaCl, 100 not aliquot the antibody		rcerol and less than	
	F	For a carrier free (BSA and azide free) version of this product see product #56658.					
Specificity / Sens	itivity ⁺	HSP60 (D6F1) XP [®] Ra	bbit mAb recogniz	zes endogenous levels	of total HSP60 prote	in.	
Species predicted react based on 10 sequence homolo	0%	Chicken, Dog, Horse					
Source / Purificat		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Trp68 of human HSP60 protein.					
Background	Background In both prokaryotic and eukaryotic cells the misfolding and aggregation of proteins during biogenesis and under conditions of cellular stress are prevented by molecular chaperones (1-3). HSP60 has primarily be known as a mitochondrial protein that is important for folding key proteins after import into the mitochond (4). Research studies have shown that a significant amount of HSP60 is also present in the cytosol of many cells, and that it is induced by stress, inflammatory and immune responses, and autoantibodies			P60 has primarily been rt into the mitochondria t in the cytosol of			

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)

correlated with Alzheimer's, coronary artery diseases, MS, and diabetes (5-8).

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2. Bukau, B. and Horwich, A.L. (1998) Cell 92, 351-366.

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3. Hartl, F.U. and Hayer-Hartl, M. (2002) Science 295, 1852-1858.

1/1/24, 11:26 AM Cross-Reactivity Key	 HSP60 (D6F1) XP® Rabbit mAb (#12165) 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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