DJ-1 (D29E5) XP [®] Rabbit mAb	C T			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com		
n n n n n n n n n n n n n n n n n n n	Support:	877-678-TECH (8324)		
#5933	Web:	info@cellsignal.com cellsignal.com		
#	3 Trask Lane Danvers	Massachusetts 01923 USA		
For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: WB, W-S, IP, IF-IC	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 22	Source/Isotype: Rabbit IgG	UniProt ID: #Q99497	Entrez-Gene Id: 11315	
Product Usage	Арр	Application			D	Dilution	
Information	Wes	stern Blotting		1:1000			
	Sim	ple Western™			1	:50 - 1:250	
	Imm	unoprecipitation			1	:100	
	Imm	unofluorescence (I	mmunocytochen	nistry)	1	:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycero 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensit	ivity DJ-1	DJ-1 (D29E5) ${\sf XP}^{{ m I}{ m B}}$ Rabbit mAb recognizes endogenous levels of total D					
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys148 of human DJ-1 protein.				esponding to	
Background	the lo DJ-1 Park show onse trans indic	oss of dopaminergi are linked to PD (1 in is involved in pro n that mutations in t of PD, but DJ-1 is formation, it positiv	c neurons. Resea .). α-synuclein is tein degradation Parkin cause ea associated with ely regulates trai ess (2-5). Dopan	d by the presence of Le arch studies have shown a major component of th through the ubiquitin-pr rly onset of PD (1). Loss multiple functions: it coor nscription of the androge nine D2 receptor-mediat depression (6).	n that mutations in α-s ne aggregates found i oteasome pathway, a s-of-function mutation operates with Ras to in en receptor, and it ma	synuclein, Parkin, and n Lewy bodies. nd investigators have s in DJ-1 cause early ncrease cell y function as an	
Background Refere	2. Bo 3. Na 4. Ta 5. Mi	 Borrelli, E. (2005) Neuron 45, 479-81. Bonifati, V. et al. (2003) Science 299, 256-9. Nagakubo, D. et al. (1997) Biochem. Biophys. Res. Commun. 231, 509-13. Takahashi, K. et al. (2001) J. Biol. Chem. 276, 37556-63. Mitsumoto, A. and Nakagawa, Y. (2001) Free Radic. Res. 35, 885-93. Goldberg, M.S. et al. (2005) Neuron 45, 489-96. 					
Species Reactivity	Speci	es reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., w	estern 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: Western Blotting W-S: Simple Western [™] IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)					
Cross-Reactivity K	X: Xe	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					

Limited Uses

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DJ-1 (D29E5) XP® Rabbit mAb (#5933) Datasheet Without Images Cell Signaling Technology

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