# DJ-1 (D29E5) XP® Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

<b>Applications:</b> W, W-S, IP, IF-IC	<b>Reactivity:</b> H M R Hm Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 22	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q99497	Entrez-Gene Id: 11315
Product Usage		Application			Dilution	
Information		Western Blotting			1:1000	
		Simple Western™				:50 - 1:250
		Immunoprecipitation				:100
		Immunofluorescence (	1:100			
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/Sensitivity		DJ-1 (D29E5) XP <sup>®</sup> Rabbit mAb recognizes endogenous levels of total DJ-1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys148 of human DJ-1 protein.				
Background		by the loss of dopamin Parkin, and DJ-1 are lin bodies. Parkin is involv investigators have sho mutations in DJ-1 caus with Ras to increase ce and it may function as	ergic neurons. Res ked to PD (1). α-sy ed in protein degr wn that mutations e early onset of PD ll transformation, an indicator of oxi	by the presence of Lewy earch studies have show nuclein is a major composite adation through the ubic in Parkin cause early on , but DJ-1 is associated v t positively regulates tradative stress (2-5). Doparulting in reduced long-te	on that mutations in that mutations in the aggree quitin-proteasome set of PD (1). Loss-with multiple functionscription of the amine D2 receptor-remains.	n α-synuclein, gates found in Lewy pathway, and of-function ons: it cooperates ndrogen receptor, nediated functions
Background References		<ol> <li>Borrelli, E. (2005) Neuron 45, 479-81.</li> <li>Bonifati, V. et al. (2003) Science 299, 256-9.</li> <li>Nagakubo, D. et al. (1997) Biochem. Biophys. Res. Commun. 231, 509-13.</li> <li>Takahashi, K. et al. (2001) J. Biol. Chem. 276, 37556-63.</li> <li>Mitsumoto, A. and Nakagawa, Y. (2001) Free Radic. Res. 35, 885-93.</li> <li>Goldberg, M.S. et al. (2005) Neuron 45, 489-96.</li> </ol>				
Species Reactiv	vitv	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g.,	western blot).
Species Reactive	ricy	Species reactivity is ac-	cerrifica by testing	g in acticust one approve	a application (e.g.,	Western Story.
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		<b>W</b> : Western Blotting <b>W-S</b> : Simple Western™ <b>IP</b> : Immunoprecipitation <b>IF-IC</b> : Immunofluorescence (Immunocytochemistry)				
6 B	1.6		B 411 11 11			

## **Cross-Reactivity Key**

H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey

### **Trademarks and Patents**

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for

more information.

### **Limited Uses**

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.