

## LRRK2 (D18E12) Rabbit mAb (Biotinylated)



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## For Research Use Only, Not for Use in Diagnostic Procedures

Applications: W	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 290	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q5S007	Entrez-Gene Id 120892
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 140 mM NaCl, 3 mM KCI, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at –20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		LRRK2 (D18E12) Rabbit mAb (Biotinylated) recognizes endogenous levels of total LRRK2 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro2080 of human LRRK2 protein.				
Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated LRRK2 (D18E12) Rabbit mAb #13046.				
Background		progressive movemel pathological hallmark the ventral midbrain ubiquitin, and other cashown various genes parkin/PARK2, UCH-L Leucine-rich repeat ki small GTP binding prowd WD40 repeat domain mutation being the mathological which induces a progression of the mathological section of	nt disorder characters of PD are progress and the presence of components) in survand loci are genetically (APARK5, PINK1/PAI in ase 2 (LRRK2) conditionally (APARK5) and the survand (APARK5) are saive reduction in curvival (4). Research	st common neurodegenerized by rigidity, tremoresive loss of dopaminerg fintracellular Lewy bodieviving neurons of the bracally linked to PD includients, LRRK2/tains amino-terminal leunain, an MLK protein kinave linked at least 20 Leunain and the G2019S mutation caus neurite length that leachers are currently testing ue of LRRK2 as a therape	s, and postural inst ic neurons in the sues (protein aggrega in stem (1). Reseang α-synuclein/PAR PARK8, synphilin-1, icine-rich repeats (Lase domain, and auß RK2 mutations to Fases increased LRRK is to progressive neg the MLK inhibitor	ability. The abstantia nigra of tes of α-synuclein, th studies have K1 and 4, and NR4A2 (2). RR), a Ras-like tarboxy-terminal to with the G2019S 2 kinase activity, urite loss and CEP-1347 in PD
Background Ref	erences	1. Fahn, S. (2003) <i>Ann. NY Acad. Sci.</i> 991, 1-14. 2. Moore, D.J. et al. (2005) <i>Annu. Rev. Neurosci.</i> 28, 57-87. 3. Mata, I.F. et al. (2006) <i>Trends Neurosci.</i> 29, 286-293. 4. MacLeod, D. et al. (2006) <i>Neuron</i> 52, 587-593. 5. Parkinson Study Group. (2004) <i>Neurology</i> 62, 330-332.				
Species Reactivi	ty	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Species Reactivi Western Blot Bu	-		tern blots, incubate	membrane with diluted		

H: Human M: Mouse R: Rat

more information.

## **Limited Uses**

**Cross-Reactivity Key** 

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