

Limited Uses

LRRK2 (D18E12) Rabbit mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, W-S, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 290	Source/Isotype: Rabbit IgG	UniProt ID: #Q5S007	Entrez-Gene Id: 120892
Product Usage Information		Application Western Blotting Simple Western™ Immunoprecipitation		Dilution 1:1000 1:50 - 1:250 1:50		
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.				
		For a carrier free (BSA and azide free) version of this product see product #26880.				
Specificity/Sensitivity		LRRK2 (D18E12) 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.				
Background		progressive movement pathological hallmark the ventral midbrain ubiquitin, and other conshown various genes parkin/PARK2, UCH-Leucine-rich repeat kind small GTP binding prowing with the mount of the m	nt disorder characters of PD are progress and the presence of components) in survand loci are genetic 1/PARK5, PINK1/PAFinase 2 (LRRK2) contotein-like (ROC) dom. Research studies host prevalent (3). The ressive reduction in curvival (4). Research	at common neurodegen erized by rigidity, tremonerized by rigidity, tremonesive loss of dopaminere intracellular Lewy bodiciving neurons of the brazally linked to PD includity, LRRK2, tains amino-terminal lemain, an MLK protein kinave linked at least 20 Line G2019S mutation cauneurite length that leaders are currently testing of LRRK2 as a therapore	rs, and postural inst gic neurons in the su es (protein aggrega ain stem (1). Resean ing α-synuclein/PAR /PARK8, synphilin-1, ucine-rich repeats (L asse domain, and a RRK2 mutations to F uses increased LRRK ds to progressive ne g the MLK inhibitor	ability. The substantia nigra of tes of α-synuclein, ch studies have lk1 and 4, and NR4A2 (2). LRR), a Ras-like carboxy-terminal PD, with the G2019S (2 kinase activity, curite loss and CEP-1347 in PD
Background References		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 Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).				western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				n 5% w/v BSA, 1X
Applications Key		W: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human M: Mouse R: Rat				
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