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#74184 **α -Synuclein (D37A6) Rabbit mAb
(Biotinylated)**
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: M R	Sensitivity: Endogenous	MW (kDa): 18	Source/Isotype: Rabbit IgG	UniProt ID: #O55042	Entrez-Gene Id: 20617
Product Usage Information	Application Western Blotting		Dilution 1:1000			
Storage	Supplied in 140 mM NaCl, 3 mM KCl, 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	α-Synuclein (D37A6) Rabbit mAb (Biotinylated) detects endogenous levels of the α isoform of synuclein.					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide surrounding Glu105 of mouse α-synuclein 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 α-Synuclein (D37A6) Rabbit mAb #4179.					
Background	α-Synuclein is a protein of 140-amino acids expressed abundantly in the brain. α-Synuclein is also the main component of pathogenic Lewy bodies and Lewy neurites. Research studies have shown that mutations of the α-Synuclein gene are linked to Parkinson's disease (1).					
Background References	1. Goldberg, M.S. and Lansbury Jr., P.T. (2000) <i>Nat. Cell Biol.</i> 2, 115-119.					

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	W: Western Blotting
Cross-Reactivity Key	M: Mouse R: Rat
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