

α -Synuclein (D37A6) XP[®] Rabbit mAb (Alexa Fluor[®] 555 Conjugate)



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Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IF-F	M R	Endogenous	Rabbit IgG	#O55042	20617

Product Usage Information	Application	Dilution
	Immunofluorescence (Frozen)	1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
Specificity/Sensitivity	α -Synuclein (D37A6) XP [®] Rabbit mAb (Alexa Fluor [®] 555 Conjugate) detects endogenous levels of the α isoform of synuclein protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu105 of mouse α -synuclein protein.	
Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor [®] 555 fluorescent dye and tested in-house for direct immunofluorescent analysis in rat brain. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated α -Synuclein (D37A6) XP [®] 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).
Applications Key	IF-F: Immunofluorescence (Frozen)
Cross-Reactivity Key	M: Mouse R: Rat
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