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#5496

α -Synuclein (D37A6) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)



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TECHNOLOGY®

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

Applications: IF-F	Reactivity: M R	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #O55042	Entrez-Gene Id: 20617
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Product Usage Information	Application Immunofluorescence (Frozen)	Dilution 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® 488 Conjugate) detects endogenous levels of the α isoform of synuclein protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide surrounding Glu105 of mouse α -synuclein protein.	
Product Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 488 fluorescent dye and tested in-house for direct immunofluorescent analysis in rat cells. 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	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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