

α -Synuclein (Syn204) Mouse mAb

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 18	Source/Isotype: Mouse IgG2a	UniProt ID: #P37840	Entrez-Gene Id: 6622
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	α -Synuclein (Syn204) Mouse mAb detects endogenous levels of total synuclein protein. α -Synuclein (Syn204) Mouse mAb detects recombinant α but not β -synuclein (Giasson, B.I. et al., 2000).	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a recombinant human α -synuclein protein.	
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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human
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