



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

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Store at -20C
#2644

α/β -Synuclein (Syn205) Mouse mAb

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

Applications: W, IP, IHC-P, IF-F	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 18	Source/Isotype: Mouse IgG1	UniProt ID: #P37840, #Q16143	Entrez-Gene Id: 6622, 6620
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Product Usage Information	<p>Application</p> <p>Western Blotting Immunoprecipitation Immunohistochemistry (Paraffin) Immunofluorescence (Frozen)</p> <p>Dilution</p> <p>1:1000 1:50 1:100 1:200</p>
Storage	<p>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.</p> <p>For a carrier free (BSA and azide free) version of this product see product #79161.</p>
Specificity/Sensitivity	<p>α/β-Synuclein (Syn205) Mouse mAb detects endogenous levels of total synuclein protein. α/β-Synuclein (Syn205) Mouse mAb detects recombinant α and β-synuclein (Giasson, B.I. et al., 2000).</p>
Source / Purification	<p>Monoclonal antibody is produced by immunizing animals with human recombinant α- and β-synucleins and the epitope maps to the carboxy terminus of the protein.</p>
Background	<p>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).</p>
Background References	<p>1. Goldberg, M.S. and Lansbury Jr., P.T. (2000) <i>Nat. Cell Biol.</i> 2, 115-119.</p>
Species Reactivity	<p>Species reactivity is determined by testing in at least one approved application (e.g., western blot).</p>
Western Blot Buffer	<p>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.</p>
Applications Key	<p>W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen)</p>
Cross-Reactivity Key	<p>H: Human M: Mouse R: Rat</p>
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