

Store at
-20°C

#74184

α -Synuclein (D37A6) XP[®] Rabbit mAb (Biotinylated)

Support: +1-978-867-2388 (U.S.)
www.cellsignal.com/supportOrders: 877-616-2355 (U.S.)
orders@cellsignal.comEntrez-Gene ID #20617
UniProt ID #055042

New 02/19

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications W Endogenous	Species Cross-Reactivity* M, R	Molecular Wt. 18 kDa	Isotype Rabbit IgG
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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) XP[®] Rabbit mAb #4179.

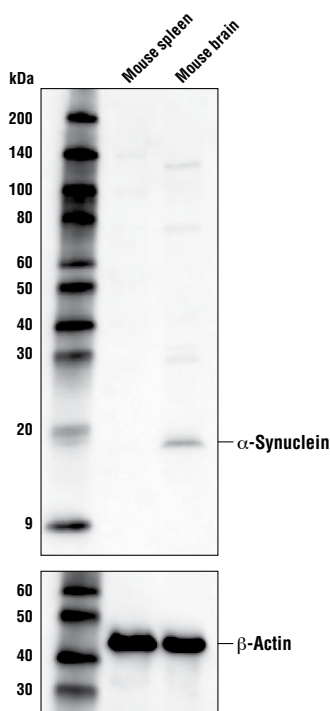
Background: α -Synuclein is a protein of 140-amino acids expressed abundantly in the brain. α -Synuclein is also the main component of pathogenic Lewy bodies and Lewy neurites. Research studies have shown that mutations of the α -synuclein gene are linked to Parkinson's disease (1).

Background References:

(1) Goldberg, M.S. and Lansbury Jr., P.T. (2000) *Nat. Cell Biol.* 2, 115-119.

Specificity/Sensitivity: α -Synuclein (D37A6) XP[®] 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.



Western blot analysis extracts from mouse spleen and mouse brain using α -Synuclein (D37A6) XP[®] Rabbit mAb (Biotinylated) (top) and β -Actin (D6A8) Rabbit mAb #8457 (bottom).

Storage: Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at -20°C . Do not aliquot the antibody.

*Species cross-reactivity is determined by western blot using the unconjugated antibody.

Recommended Antibody Dilutions:

Western blotting 1:1000

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com.

Tween is a registered trademark of ICI Americas, Inc.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween[®]20 at 4°C with gentle shaking, overnight.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide Species Cross-Reactivity: H—human M—mouse R—rat Hm—hamster Mk—monkey 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 All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.