α-Synuclein Antibody

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

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. Mutations of the α-synuclein gene have been linked to Parkinson disease (1).

Specificity/Sensitivity: α-Synuclein Antibody detects the alpha isoform of synuclein. The antibody may cross-react with β-synuclein.

Source/Purification: Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy-terminal sequence of human α-synuclein. Antibodies are purified by protein A and peptide affinity chromatography.

Background References:

Recommended Antibody Dilutions:
Western blotting 1:1000
Immunoprecipitation 1:50

For application specific protocols please see the webpage for this product at www.cellsignal.com.

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

*Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.

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.

Applications Key: W—Western  IP—Immunoprecipitation  IHC—Immunohistochemistry  ChIP—Chromatin Immunoprecipitation  IF—Immunofluorescence  F—Flow cytometry  E-P—ELISA-Peptide

Species Cross-Reactivity Key: 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.

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