Purified anti-α-Synuclein, aggregated

Catalog # / Size: 847701 / 25 µg
847702 / 100 µg

Clone: Syn-O4
Isotype: Mouse IgG1, κ
Immunogen: Aggregated α-synuclein
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted between 2°C and 8°C.

Applications:

Applications: IHC-P - Quality tested
Dot Blot - Validated

Recommended Usage: Each lot of this antibody is quality control tested by formalin-fixed
paraffin-embedded immunohistochemical staining. For
immunohistochemistry, a concentration range of 1.0 - 5.0 µg/ml is
suggested. For Dot Blot, a concentration range of 0.5 - 3.0 µg/ml is
suggested. It is recommended that the reagent be titrated for optimal
performance for each application.

Application Notes: This clone does not cross-react with β- or γ-synucleins using Dot Blot as
detection method.

Dot Blot)

Description: α-synuclein is expressed principally in the nervous system, but it is also
produced in the other tissues, including the skin. In the brain, the protein
is primarily neuronal, but it is also present in glia. Neuronal α-synuclein is
concentrated in the presynaptic nerve terminals, interacts with plasma
membrane phospholipids, and is also present in mitochondria. At least three isoforms of synuclein are produced through
alternative splicing. The most common is a 140 amino acid-long
transcript. Other isoforms are α-synuclein-126, lacking residues 41-54;
and α-synuclein-112, which lacks residues 103-130. α-synuclein's
physiological role is poorly understood, but the protein has been
implicated in regulating dopamine release and transport, synaptic vesicle
clustering, and functioning as a SNARE-complex chaperone. α-Synuclein
fibrils are a major component of the intracellular Lewy bodies that are
associated with Parkinson’s disease, Lewy body dementia, and multiple
system atrophy.

Other Names: Synuclein alpha-140, non-A4 component of amyloid, alpha-synuclein, isoform NACP140, non-amyloid beta
component (NAP)


Related Products:

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