Description: Monoclonal Antibody against α/ß Synuclein

Also Known As:
synuclein alpha-140; non-A4 component of amyloid; alpha-synuclein, isoform NACP140; non-A beta component of AD amyloid Parkinson disease (autosomal dominant, Lewy body) 4

Intended Use:
**Research Use Only (RUO)**
This product is sold for laboratory research use only, not for human or in-vivo use.

Form: Ascites

Clone: Syn 202

Host: Mouse

IsoType: IgG2a

Species Reactivity: Human, Mouse, Rat, Zebra finch [Taeniopygia guttata]

Specificity:
Synucleins are small soluble proteins expressed primarily in neural tissues and in certain tumors. The family includes 3 known proteins, alpha synuclein, beta synuclein and gamma synuclein. All synucleins have in common a highly conserved alpha helical lipid binding motif with similarity to the class-A2 lipid binding domains of the exchangeable apolipoproteins. The alpha and beta synuclein proteins are found primarily in brain tissue, where they are seen mainly in pre-synaptic terminals. Alpha synuclein is believed to be a major component of Lewy bodies in Parkinson's disease. Mutations in alpha synuclein are associated with rare familial cases of early onset Parkinson's disease, Alzheimer's disease and several other neurodegenerative illnesses. Syn 202 was raised using recombinant alpha and beta synucleins and recognizes residues 130-140 in alpha and beta synuclein.

Uses:
This antibody is effective in immunoblotting, immunoprecipitation, immunohistochemistry and ELISA. It has been used successfully on paraffin sections.

Suggested Working Dilution:
The optimal working dilution should be determined for each specific assay condition.
- Western blot: 1:1,000*
- ELISA: 1:200
- IHC: 1:500

Storage:
Store at -20°C. Upon initial thawing, apportion into working aliquots and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. For long-term storage, keep the antibody at -80°C.
References:


Warranty/Conditions:
Covance products may not be resold or modified for resale without prior written approval. All sales are subject to Covance Antibody Products Terms and Conditions of Sale.

Datasheet Revision Date:
7/13/2012

Related Products:
- Synuclein-α, Monoclonal Antibody Catalog Number MMS-530R
- α-Synuclein (LB509) Monoclonal Antibody Catalog Number SIG-39725
- α-Synuclein (4B12) Monoclonal Antibody Catalog Number SIG-39730