**Anti-Synuclein-α/β, 130-140**

**Catalog # / Size:** 836601 / 200 µl

**Previously:** Covance Catalog# MMS-529R

**Clone:** Syn 202

**Isotype:** Mouse IgG2a

**Immunogen:** Syn 202 was raised using recombinant alpha and beta synucleins and recognizes residues 130-140 in alpha and beta synuclein.

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

**Preparation:** Ascites

**Concentration:** The concentration is not quantified as this product is sold as undiluted crude mouse ascites fluid. The concentration might vary from lot-to-lot and an estimated concentration would be 1-3 mg/ml.

**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.

**Applications:**

- **IHC, WB, IP, ELISA**
- **EM, ICC, IF** - Reported in the literature

**Recommended Usage:** Each lot of this antibody is quality control tested by immunohistochemical staining.

- **WB:** 1:1,000
- **IHC:** 1:10,000

**Tissue:** Formalin-fixed, paraffin-embedded tissues

**Pre-treatment:** 70% formic acid

**Primary incubation:** 20 minutes at room temperature

**Application Notes:** This antibody is effective in immunoblotting (WB), immunoprecipitation (IP), immunohistochemistry (IHC) and ELISA. It has been used successfully on paraffin sections.

**IHC Positive Control:** Alzheimer's diseased brain tissue

**Application References:**

**Description:** 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.

**Other Names:** 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)

**Related Products:**
- **Product:** Human α-Synuclein ELISA Kit
- **Clone:** Syn 202
- **Application:** ELISA

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