**Description:**
Monoclonal Antibody against Human α-Synuclein
(Formerly Signet Catalog Nos: 9725-02, 9725-05, 9725-10)

**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:**
Purified Antibody (in PBS; no preservatives or carrier proteins)

**Clone:**
LB509

**Host:**
Mouse

**IsoType:**
IgG1

**Species Reactivity:**
Human

[Ab]:
1 mg/mL

**Specificity:**
α-synuclein is a 140 amino acid protein that is implicated in Parkinson’s disease, Alzheimer’s disease, Lewy body dementia, and multiple system atrophy. Signet’s LB 509 reacts with human but does not react with rodent α-synuclein. LB 509 recognizes amino acids 115-122 of human α-synuclein.

**Uses:**
This antibody is effective in immunoblotting, immunohistochemistry (IHC) and ELISA.

**Suggested Working Dilution:**
The optimal working dilution should be determined for each specific assay condition.

- **Western/Dot blot:** 1:100-1:10,000
- **IHC:** 1:100-1:1,000

Tissue Sections: Frozen and formalin-fixed paraffin-embedded tissues
Pretreatment: Not required

**Storage:**
Store at -20°C or below. Upon initial thawing, apportion into working aliquots and store at -20°C or below. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody. Do not store in frost-free freezers.

**References:**
See reverse side for additional information


**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:**

11/6/2011

**Related Products:**

- α-Synuclein (4D6) Monoclonal Antibody (SIGNET) Catalog Number SIG-39720
- α-Synuclein (4B12) Monoclonal Antibody (SIGNET) Catalog Number SIG-39730