

For Research Use Only

Alpha Synuclein Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66412-1-PBS

Basic Information

Catalog Number:

66412-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG1285

GenBank Accession Number:

BC013293

GeneID (NCBI):

6622

UNIPROT ID:

P37840

Full Name:

synuclein, alpha (non A4 component of amyloid precursor)

Calculated MW:

14 kDa

Observed MW:

18-19 kDa

Purification Method:

Protein A purification

CloneNo.:

1B10E9

Applications

Tested Applications:

ELISA

Species Specificity:

human, rat, mouse

Background Information

Alpha Synuclein (α -syn) is a 14-19 kDa phosphoprotein that is primarily localized to the presynaptic terminals of mature neurons, where it is involved in synaptic function and plasticity. α -syn has drawn intense interest ever since the late 1990s, when the first α -synuclein missense mutation was identified as a cause of familial Parkinson's disease (PD). Aggregated and hyper-phosphorylated forms of α -syn protein are the pathological hallmark of Lewy body disease, which includes Parkinson's disease (PD), diffuse Lewy body disease (DLBD), and Lewy body variant of Alzheimer's disease (LBV). This antibody can recognize all the isoforms of α -syn.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

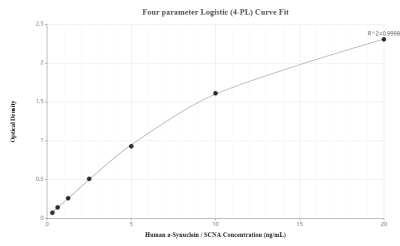
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Standard curve of MP50043-1, α -Synuclein Monoclonal Matched Antibody Pair - BSA and Azide free, measured by sandwich ELISA. Capture antibody: 60285-1-PBS. Detection antibody: 66412-1-PBS (HRP conjugated). Standard: Ag1285. Range: 0.313-20 ng/mL