

For Research Use Only

Alpha Synuclein Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66412-1-PBS

Basic Information

Catalog Number: 66412-1-PBS	GenBank Accession Number: BC013293	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6622	CloneNo.: 1B10E9
Source: Mouse	UNIPROT ID: P37840	
Isotype: IgG2a	Full Name: synuclein, alpha (non A4 component of amyloid precursor)	
Immunogen Catalog Number: AG1285	Calculated MW: 14 kDa	
	Observed MW: 18-19 kDa	

Applications

Tested Applications:
WB, IHC, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, rat, mouse

Product Information

66412-1-PBS targets Alpha Synuclein as part of a matched antibody pair:

MP50043-1: 60285-1-PBS capture and 66412-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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 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.

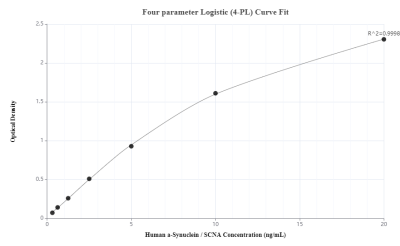
Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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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