For Research Use Only

# Anti-Human Alpha Synuclein Rabbit Recombinant Antibody

Catalog Number:98708-2-RR

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

## Basic Information

Catalog Number:
98708-2-RR

Concentration:
100ug, 1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG5390

GenBank Accession Number:
BC108275

GeneID (NCBI):
6622

UNIPROT ID:
P37840

Full Name:
synuclein, alpha (non A4 component of amyloid precursor)

Purification Method:
Protein A purification

CloneNo.:
251410F3

Recommended Dilutions:
IHC: 1:500-1:2000
FC (Intra): 0.25 ug per 10^6 cells in a 100 μl suspension

## Applications

Tested Applications:
IHC, FC (Intra)

Species Specificity:
human

***Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0***

Positive Controls:

IHC : Human brain cancer（Astrocitoma）,

FC (Intra) : SH-SY5Y cells,

## Background Information

Alpha Synuclein (α-syn) is a 14-19 kDa phosphoprotein that is primarily localize 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.

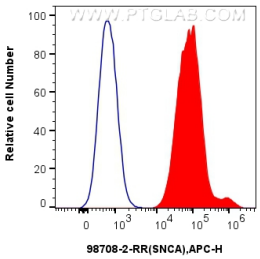
## Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3



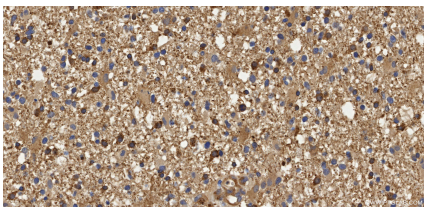
**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data

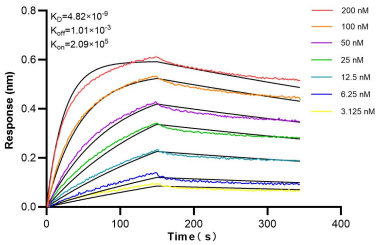



1x10^6 SH-SY5Y cells were intracellularly stained with 0.25 ug Anti-Human Alpha Synuclein Rabbit RecAb (98708-2-RR, Clone:251410F3)(red),or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

Immunohistochemical analysis of paraffin-embedded Human brain cancer(Astrocitoma) slide using 98708-2-RR (Alpha Synuclein antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Human brain cancer(Astrocitoma) slide using 98708-2-RR (Alpha Synuclein antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Biolayer interferometry (BLI) kinetic assays of 98708-2-RR against Human Alpha Synuclein were performed. The affinity constant is 4.82 nM.