



Rabbit Anti-Human alpha Synuclein monoclonal antibody, clone 25I3M2 (CABT-L1621)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Synuclein
Immunogen	Peptide corresponding to amino acids 117-125 of human synuclein, alpha
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	25I3M2
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IHC-P, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction	Alpha-Synuclein belongs to the Synuclein family, which also includes beta and gamma Synuclein, and is predominantly expressed in neurons, concentrated at synaptic terminals. Synucleins may be involved in the regulation of dopamine release and transport and the modulation of synaptic vesicle function. Alpha-Synuclein is a small, presynaptic protein that is the major nonamyloid component of the pathological inclusions characteristic of a wide range of neurodegenerative disorders, collectively known as synucleinopathies. It is involved in the formation of SNARE complexes. Most significantly, aggregated Alpha-Synuclein is one of the major components found in the Lewy bodies that occur in Parkinson's disease (PD) and other neurodegenerative disorders. Mutation of the alpha-synuclein gene is associated with familial forms of PD. Alpha-Synuclein is known to reduce the fibrillization of the microtubule-associated protein, tau, to bind various targets such as 14-3-3, protein kinase C, synphilin-1, Elk and Tat-binding protein 1.
Keywords	Synuclein;Synuclein (pan)