

Anti-Alpha-Synuclein Antibody (1Q928)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1Q928
Purification:	Protein A

Applications

	<p>1. Anti-SNCA rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: 293T Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.-Developed using the Odyssey technique.-Performed under reducing conditions.-Predicted band size:16 kDa.-Observed band size:18 kDa.
Verified Activity:	<p>2. Anti-alpha-Synuclein rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Hela Whole Cell Lysate.-Lane B: alpha-Synuclein konckout Hela Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size:14 kDa.-Observed band size:16 kDa(Validation Experiment)
Application:	ELISA,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human SNCA / alpha-Synuclein protein (TMPY-02512)

Antigen Species: Human

Synonyms: NACP; α -synuclein;Non-A beta component of AD amyloid;Snca;Alpha-synuclein;Non-A β component of AD amyloid;Non-A4 component of amyloid precursor

Research Background

Alpha-Synuclein (alpha-Syn), also known as NACP or SNCA, exists as at least two structural isoforms: one is helix-rich, membrane-bound form that both the N- and C-terminal regions of alpha-synuclein are tightly associated with membranes and the other is disordered, cytosolic form. Synuclein is found predominantly in the presynaptic termini, in both free or membrane-bound forms. SNCA is extensively localized in nucleus of neurons. It has been shown that alpha-Synuclein was highly expressed in the mitochondria in olfactory bulb, hippocampus, striatum, and thalamus, where the cytosolic alpha-Synuclein was also rich. Normally the unstructured soluble type of alpha-synuclein can aggregate to form insoluble fibrils in pathological conditions characterized by Lewy bodies, such as Parkinson's disease, dementia with Lewy bodies and multiple system atrophy. SNCA abnormality and mitochondrial deficiency are two major changes in the brain of patients with Parkinson's disease (PD). Besides, alpha-synuclein is an abundant component of Lewy bodies in sporadic Parkinson's disease and diffuse Lewy body disease.

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