

Datasheet for ABIN6952300 **SNCA Protein (Ala53Thr-Mutant)**



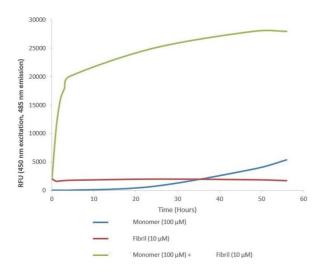


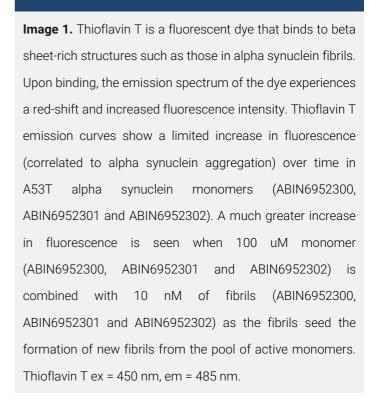
Overview

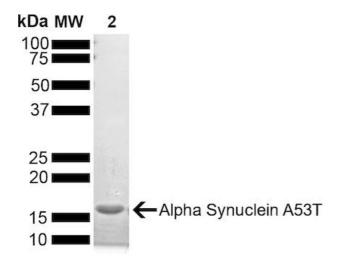
Quantity:	100 μg
Target:	SNCA
Protein Characteristics:	Ala53Thr-Mutant
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Western Blotting (WB), In vitro Assay (in vitro), In vivo Studies (in vivo)
Product Details	
Sequence:	MDVFMKGLSK AKEGVVAAAE KTKQGVAEAA GKTKEGVLYV GSKTKEGVVH GVTTVAEKTK
	EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP
	EQVTNVGGAV VTGVTAVAQK TVEGAGSIAA ATGFVKKDQL GKNEEGAPQE GILEDMPVDP DNEAYEMPSE EGYQDYEPEA
Specificity:	
Specificity: Characteristics:	DNEAYEMPSE EGYQDYEPEA
	DNEAYEMPSE EGYQDYEPEA ~14.46 kDa
Characteristics:	DNEAYEMPSE EGYQDYEPEA ~14.46 kDa Active Human Recombinant A53T Mutant Alpha Synuclein Protein Monomer

Target Details

Target:	SNCA
Alternative Name:	Alpha Synuclein (SNCA Products)
Background:	Alpha-Synuclein (SNCA) is expressed predominantly in the brain, where it is concentrated in
	presynaptic nerve terminals. Alpha-synuclein is highly expressed in the mitochondria of the
	olfactory bulb, hippocampus, striatum and thalamus. Functionally, it has been shown to
	significantly interact with tubulin, and may serve as a potential microtubule-associated protein.
	It has also been found to be essential for normal development of the cognitive functions,
	inactivation may lead to impaired spatial learning and working memory. SNCA fibrillar
	aggregates represent the major non A-beta component of Alzheimers disease amyloid plaque,
	and a major component of Lewy body inclusions, and Parkinson's disease. Parkinson's disease
	(PD) is a common neurodegenerative disorder characterized by the progressive accumulation
	in selected neurons of protein inclusions containing alpha-synuclein and ubiquitin. The A53T
	mutation is a missense point mutation where alanine is replaced by threonine at the 53rd
	amino acid. This mutation has been linked to early-onset Parkinson's Disease and increased
	rates of alpha synuclein fibrillization.
Gene ID:	6622
NCBI Accession:	NP_000336
Pathways:	Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling, Positive
	Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Platelet-
	derived growth Factor Receptor Signaling, Negative Regulation of Transporter Activity,
	Regulation of long-term Neuronal Synaptic Plasticity
Application Details	
Comment:	Certified >95% pure using SDS-PAGE analysis.
Restrictions:	For Research Use only
Handling	
Concentration:	Lot specific
Buffer:	PBS pH 7.4
Storage:	-80 °C







SDS-PAGE

Image 2. SDS-PAGE of ~14 kDa A53T Alpha Synuclein Monomer (ABIN6952300, ABIN6952301 and ABIN6952302)