

a-Synuclein(Ab-125) Antibody

Catalog No: #21248



Package Size: #21248-1 50ul #21248-2 100ul #21248-4 25ul

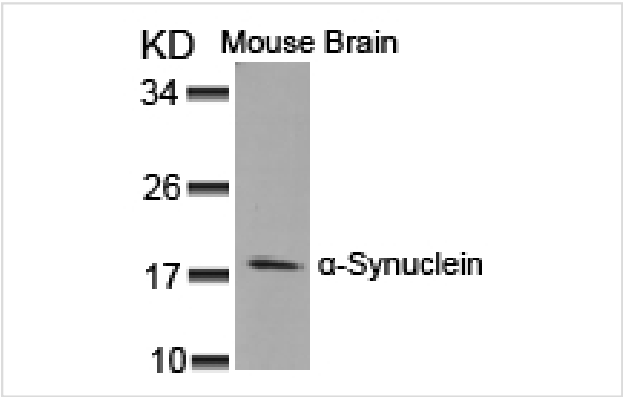
Overview

Product Name	a-Synuclein(Ab-125) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Human
Immunogen Type	Peptide-KLH
Target Name	a-Synuclein
Alternative Names	NACP; SYN; SYUA; alpha-synuclein;

Application Details

Predicted MW: 18kd
Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Mouse Brain tissue using a-Synuclein(Ab-125) Antibody #21248.

Descriptions

Immunogen	Peptide sequence around aa.123~127 (E-A-Y-E-M) derived from Human a-Synuclein.
Specificity	The antibody detects endogenous level of total Synuclein protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P37840NCBI Protein: NP_000336.1

Related Information

SncA is a member of the synuclein family of structurally related proteins that are prominently expressed in the central nervous system, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and SncA and Snc-Beta inhibit phospholipase D2 selectively. SncA may serve to integrate presynaptic signaling and membrane trafficking. Aggregated SncA proteins form brain lesions that are hallmarks of neurodegenerative synucleinopathies. Defects in SncA play a role in the pathogenesis of Parkinson disease. SncA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer disease. SncA shares 95% sequence homology with rat SncA. Rat SncA is specifically expressed in brain and is associated with synaptosomal membranes in neurons

Takahashi T, et al. J Biol Chem 2003 Oct 24; 278(43): 42225-33

Ahn BH, et al. J Biol Chem 2002 Apr 05; 277(14): 12334-42

Negro A, et al. FASEB J 2002 Feb; 16(2): 210-2

Goldberg, et al. Nat. Cell Biol. 2000; 2, 115-119.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.