a-Synuclein(Ab-125) Antibody

Catalog No: #21248

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

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

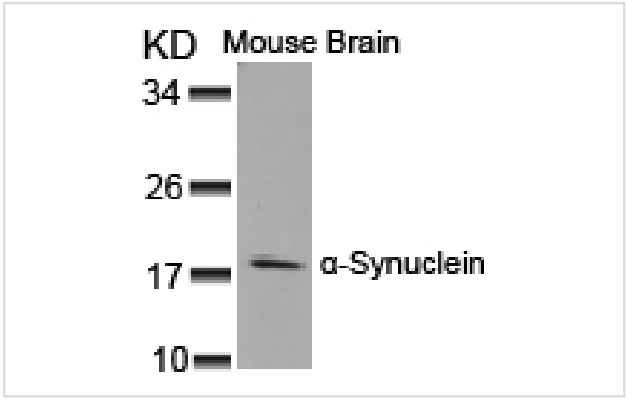
Product Name	a-Synuclein(Ab-125) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Synuclein protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.123~127 (E-A-Y-E-M) derived from Human a-Synuclein.
Conjugates	Unconjugated
Target Name	a-Synuclein
Other Names	NACP; SYN; SYUA; alpha-synuclein;
Accession No.	Swiss-Prot: P37840NCBI Protein: NP_000336.1
Concentration	1.0mg/ml
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.

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.

Background

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.

Published Papers

el at., G protein subunit ðO q regulates gastric cancer growth via the p53/p21 and MEK/ERK pathways.In Oncol Rep on 2017 Apr by Yizhuo Wang , Huijie Xiao,et al..PMID: 28350126, , (2017)

PMID:28350126

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