Rabbit Anti-SNCA Polyclonal Antibody

CPB-1076RH Rabbit(SNCA)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-SNCA Polyclonal Antibody
Antigen Description	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 synucleinopathhies. 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.
specificity	The antibody detects endogenous level of total Synuclein protein.
Target	SNCA
Immunogen	Peptide sequence around aa. 127~131 (M-P-S-E-E) derived from Human α-Synuclein.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB

PACKAGING

Format	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 /1 year

ANTIGEN GENE INFORMATION

Gene Name	SNCA synuclein, alpha (non A4 component of amyloid precursor) [Homo sapiens]
Official Symbol	SNCA
Synonyms	SNCA; synuclein, alpha (non A4 component of amyloid precursor); PARK1, PARK4, Parkinson disease (autosomal dominant, Lewy body) 4; alpha-synuclein; alpha synuclein; NACP; PD1; synuclein alpha-140; non A-beta component of AD amyloid; PARK1; PARK4; MGC110988;
GeneID	6622
mRNA Refseq	NM_000345
Protein Refseq	NP_000336
MIM	163890
UniProt ID	P37840
Chromosome Location	4q21.3-q22

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 631-624-4882 ·Fax:631-614-7828
E-mail: info@creative-diagnostics.com
www.creative-diagnostics.com

Pathway	Alpha-synuclein signaling, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Parkinsons disease, organism-specific biosystem;
Function	Hsp70 protein binding; alpha-tubulin binding; arachidonic acid binding; calcium ion binding; copper ion binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; dynein binding; NOT fatty acid binding; ferrous iron binding; histone binding; identical protein binding; kinesin binding; magnesium ion binding; oxidoreductase activity; NOT phospholipase D inhibitor activity; phosphoprotein binding; protein binding; tau protein binding; zinc ion binding;

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 631-624-4882 ·Fax:631-614-7828
E-mail: info@creative-diagnostics.com
www.creative-diagnostics.com