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Datasheet for 600-401-ER8

SNCA Antibody

Overview

Description:	Anti-SNCA (RABBIT) Antibody - 600-401-ER8
Item No.:	600-401-ER8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Alpha-Synuclein (SNCA) is a hallmark of Alzheimer's disease (1,2). It is a cytoplasmic protein that is predominantly expressed in the central nervous system (2). SNCA reduces neuronal responsiveness to various apoptotic stimuli, leading to the decreased caspase-3 activation. SNCA may be involved in the regulation of dopamine release and transport and induces fibrillization of microtubule-associated protein tau (3). Defects in SNCA are associated with familial Parkinson's disease (4,5).
Synonyms:	SNCA Antibody, PD1, NACP, PARK1, PARK4, Alpha-synuclein, Non-A beta component of AD amyloid
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SNCA
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SNCA antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human SNCA.

Purity/Specificity:	Anti-SNCA antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SNCA antibody is human, mouse and rat reactive. At least three isoforms of SNCA are known to exist.
Relevant Links:	• UniProtKB - P37840 • GeneID - 6622 • NCBI - NP_000336.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SNCA Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 14 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

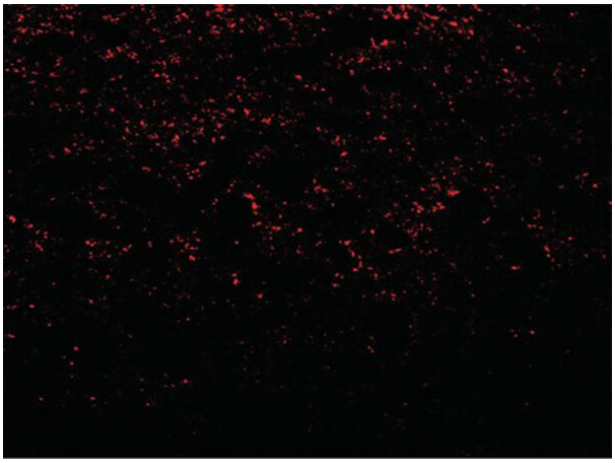
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

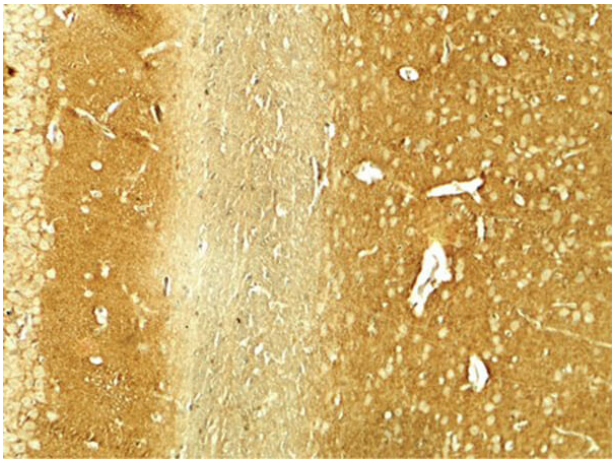
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

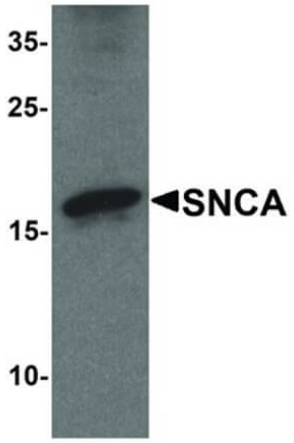
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-SNCA antibody. Tissue: rat brain. Primary antibody: SNCA antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: SNCA is cytoplasmic, nuclear, and secreted. Staining: SNCA as red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of Rabbit anti-SNCA antibody. Tissue: rat brain. Primary antibody: SNCA antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: SNCA is cytoplasmic, nuclear, and secreted. Staining: SNCA as precipitated brown signal.



Western Blot
Western Blot of Rabbit anti-SNCA antibody. Lane A: mouse cerebellum tissue lysate. Primary antibody: SNCA antibody at 1 µg/mL overnight at 4C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 12 kDa, 16 kDa for SNCA.

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Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.