

Datasheet for 600-401-DN9**PINK1 Antibody****Overview**

Description:	Anti-PINK1 (RABBIT) Antibody - 600-401-DN9
Item No.:	600-401-DN9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The PTEN-induced putative kinase 1 (PINK1) is a serine/threonine protein kinase that localizes to mitochondria and is thought to protect cells from stress-induced mitochondrial dysfunction (reviewed in 1). PINK1 recruits the E3 ubiquitin ligase Parkin to mitochondria to initiate mitophagy, an autophagic process that clears damaged mitochondria within a cell (2). PINK1 is cleaved by the mitochondrial protease PARL (3). Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease (4).
Synonyms:	PINK1 Antibody, BRPK, PARK6BRPK
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PINK1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PINK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human PINK1.

Purity/Specificity: Anti-PINK1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. PINK1 antibody is human, mouse and rat reactive. At least two isoforms are known to exist; this antibody will only detect the longer isoform. PINK1 antibody will detect the cleaved and uncleaved form of PINK1.

Relevant Links:

- [UniProtKB - Q9BXM7](#)
- [GeneID - 65018](#)
- [NCBI - NP_115785](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-PINK1 Antibody has been tested in Western Blotting and is suitable in ELISA, IHC, and IF. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 63 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: 20µg/mL

IHC: 5µg/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

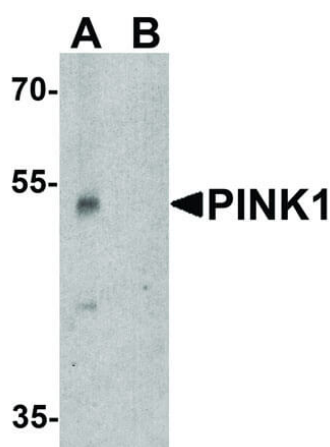
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-PINK1 antibody. Lane A: A431 cell lysate in the absence of blocking peptide. Lane B: A431 cell lysate in presence of blocking peptide. Primary antibody: PINK1 antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 55 kDa, 53 kDa for PINK1.

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.