Datasheet for ABIN1882117

# anti-PINK1 antibody (AA 237-266)

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## Overview

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| Quantity: | 400 µL |
| Target: | PINK1 |
| Binding Specificity: | AA 237-266 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PINK1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | This PINK1 (PARK6) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 237-266 amino acids from the Central region of human PINK1 (PARK6). |
| Clone: | RB7383 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

## Target Details

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| Target: | PINK1 |
| Alternative Name: | PINK1 (PARK6) (PINK1 Products) |

## Target Details

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| Background: | Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1 percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson disease identified to date. Defects in PINK1 are the cause of autosomal recessive early-onset Parkinson's disease 6 (PARK6). Six novel pathogenic PINK1 mutations suggest that PINK1 may be the second most common causative gene next to parkin in parkinsonism with the recessive mode of inheritance. Strong evidence indicates that, although important in mendelian forms of Parkinson's disease (PD), PINK1 does not influence the cause of sporadic nonmendelian forms of PD. |
| Molecular Weight: | 62769 |
| NCBI Accession: | NP_115785 |
| UniProt: | Q9BXM7 |
| Pathways: | Autophagy |

## Application Details

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| Application Notes: | WB: 1:1000 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |

## Publications

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|---|---|
| Product cited in: | Mannam, Shinn, Srivastava, Neamu, Walker, Bohanon, Merkel, Kang, Dela Cruz, Ahasic, Pisani, Trentalange, West, Shadel, Elias, Lee: "MKK3 regulates mitochondrial biogenesis and mitophagy in sepsis-induced lung injury." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 306, Issue 7, pp. L604-19, (2014) (PubMed). |

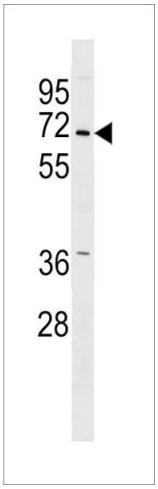
## Publications

Geisler, Holmström, Skujat, Fiesel, Rothfuss, Kahle, Springer: "PINK1/Parkin-mediated mitophagy is dependent on VDAC1 and p62/SQSTM1." in: **Nature cell biology**, Vol. 12, Issue 2, pp. 119-31, (2010) (PubMed).

Rogaeva, Johnson, Lang, Gulick, Gwinn-Hardy, Kawarai, Sato, Morgan, Werner, Nussbaum, Petit, Okun, McInerney, Mandel, Groen, Fernandez, Postuma, Foote: "Analysis of the PINK1 gene in a large cohort of cases with Parkinson disease." in: **Archives of neurology**, Vol. 61, Issue 12, pp. 1898-904, (2004) (PubMed).

Hatano, Li, Sato, Asakawa, Yamamura, Tomiyama, Yoshino, Asahina, Kobayashi, Hassin-Baer, Lu, Ng, Rosales, Shimizu, Toda, Mizuno, Hattori: "Novel PINK1 mutations in early-onset parkinsonism." in: **Annals of neurology**, Vol. 56, Issue 3, pp. 424-7, (2004) (PubMed).

## Images




**Western Blotting**

**Image 1.** Park6 (PINK1) Antibody (Center) (ABIN1882117 and ABIN2840775) western blot analysis in A549 cell line lysates (35 µg/lane).This demonstrates the Park6 (PINK1) antibody detected the Park6 (PINK1) protein (arrow).