# ARG67357
# anti-PINK1 Phospho (S402) antibody

Package: 100 µl, 50 µl
Store at: -20°C

## Summary

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| Product Description | Rabbit Polyclonal antibody recognizes PINK1 Phospho (S402) |
| Tested Reactivity | Hu |
| Tested Application | IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PINK1 |
| Species | Human |
| Immunogen | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S402 of human PINK1 protein. The exact sequence is proprietary. |
| Conjugation | Un-conjugated |
| Alternate Names | PARK6; BRPK; PTEN-induced putative kinase protein 1; Serine/threonine-protein kinase PINK1, mitochondrial; EC 2.7.11.1 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-P | 1:50 - 1:100 |
| WB | 1:500 - 1:1000 |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Observed Size | 60 kDa |

## Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen |
| Buffer | 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium azide |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 30% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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| Gene Symbol | Pink1 |
| Gene Full Name | PTEN induced putative kinase 1 |
| Background | PINK1 (PTEN-induced putative kinase 1) is a serine/threonine protein kinase found in mitochondria. PINK1 protects cell from .stress-induced mitochondrial dysfunction. Mutation in this gene is associated with the early onset of Parkinson's disease. |
| Function | Protects against mitochondrial dysfunction during cellular stress by phosphorylating mitochondrial proteins. Involved in the clearance of damaged mitochondria via selective autophagy (mitophagy) by mediating activation and translocation of PARK2. Targets PARK2 to dysfunctional depolarized mitochondria through the phosphorylation of MFN2. Activates PARK2 in 2 steps: (1) by mediating phosphorylation at 'Ser-65' of PARK2 and (2) mediating phosphorylation of ubiquitin, converting PARK2 to its fully-active form (PubMed:24784582). [UniProt] |
| Calculated Mw | 62 kDa |