# Purified anti-Parkin Antibody (Previously Covance catalog# SIG-39530)

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| **Catalog# / Size** | 808504 / 25 µL<br>808501 / 200 µL<br>808502 / 500 µL<br>808503 / 1 mL |
| **Clone** | Prk 8 |
| **Regulatory Status** | RUO |
| **Other Names** | PARK2, AR-JP, LPRS2, PDJ, PRKN, E3 ubiquitin-protein ligase parkin, Parkin 2, E3 ubiquitin ligase, parkinson disease protein 2, parkinson juvenile disease protein 2, Parkinson disease (autosomal recessive, juvenile) 2, parkin |
| **Previously** | Signet Catalog# 9530-02<br>Signet Catalog# 9530-05<br>Signet Catalog# 9530-10<br>Covance Catalog# SIG-39530 |
| **Isotype** | Mouse IgG2b, κ |
| **Description** | Parkin (also known as PARK2, AR-JP, PRKN) is a protein encoded by the PARK2 gene in humans. It is a component of the E3 ubiquitin ligase complex that mediates the targeting of proteins for degradation. Mutations in the PARK2 gene cause a familial form of Parkinson's disease called autosomal recessive juvenile Parkinson's disease (AR-JP). |

## Product Details

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| **Verified Reactivity** | Human, Mouse, Rat |
| **Antibody Type** | Monoclonal |
| **Host Species** | Mouse |
| **Formulation** | Phosphate-buffered solution (no preservatives or carrier proteins). |
| **Preparation** | The antibody was purified by affinity chromatography. |
| **Concentration** | 0.5 mg/ml |
| **Storage & Handling** | The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody. |
| **Application** | WB - *Quality tested*<br>ICC, IHC-P - *Reported in the literature, not verified in house* |
| **Recommended Usage** | Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 1.0 - 5.0 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application. |
| **Application Notes** | This antibody is reactive to the R2 domain of human and murine parkin. |
| **Application References**<br>**(PubMed link indicates BioLegend citation)** | 1. Tay SP, *et al*. 2018. *J Biol Chem.* 285: 29231-29238. (WB, ICC)<br>2. Pawlyk AC, *et al*. 2003. *J Biol Chem.* 278(48):48120-8. (WB, IHC-P) |
| **RRID** | AB_2810708 (BioLegend Cat. No. 808504)<br>AB_2564744 (BioLegend Cat. No. 808501)<br>AB_2564745 (BioLegend Cat. No. 808502)<br>AB_2564743 (BioLegend Cat. No. 808503) |

## Antigen Details

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| **Biology Area** | Cell Biology, Mitochondrial Function, Neurodegeneration, Neuroinflammation, Neuroscience, Neuroscience Cell Markers, Protein Trafficking and Clearance |
| **Molecular Family** | Mitochondrial Markers |
| **Gene ID** | 5071 |

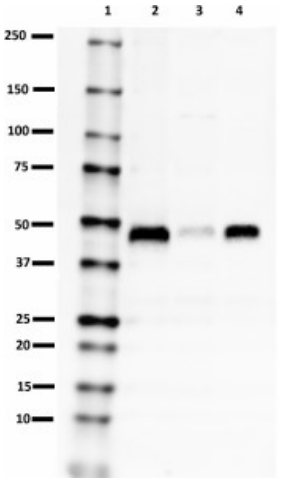
## Related Protocols

Western Blotting Protocol

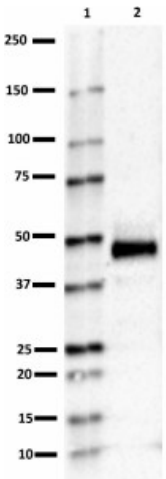
## Other Formats

Purified anti-Parkin

## Product Data




Western blot of purified anti-Parkin antibody (clone Prk 8). Lane 1: Molecular weight marker; Lane 2: 20 µg of human brain lysate; Lane 3: 20 µg of mouse brain lysate; Lane 4: 20 µg of rat brain lysate. The blot was incubated with 1 µg/mL of the primary antibody overnight at 4°C, followed by incubation with HRP labeled goat anti-mouse IgG (Cat. No. 405306). Enhanced chemiluminescence was used as the detection system.




Western blot of purified anti-Parkin antibody (clone Prk 8). Lane 1: Molecular weight marker; Lane 2: 20 µg of mouse skeletal muscle lysate. The blot was incubated with 1 µg/mL of the primary antibody overnight at 4°C, followed by incubation with HRP labeled goat anti-mouse IgG (Cat. No. 405306). Enhanced chemiluminescence was used as the detection system.

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