

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

<b>Catalog# / Size</b>	808503 / 1 mL 808504 / 25 µL 808501 / 200 µL 808502 / 500 µL
<b>Clone</b>	Prk 8
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	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
<b>Previously</b>	Signet Catalog# 9530-02 Signet Catalog# 9530-05 Signet Catalog# 9530-10 Covance Catalog# SIG-39530
<b>Isotype</b>	Mouse IgG2b, κ
<b>Description</b>	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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<b>Verified Reactivity</b>	Human, Mouse, Rat
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution (no preservatives or carrier proteins).
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	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.
<b>Application</b>	<a href="#">WB - Quality tested</a> <a href="#">ICC, IHC-P - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">Western blotting</a> . 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.
<b>Application Notes</b>	This antibody is reactive to the R2 domain of human and murine parkin.
<b>Application References</b>	1. Tay SP, <i>et al.</i> 2018. <i>J Biol Chem.</i> 285: 29231-29238. (WB, ICC) 2. Pawlyk AC, <i>et al.</i> 2003. <i>J Biol Chem.</i> 278(48):48120-8. (WB, IHC-P)
<b>(PubMed link indicates BioLegend citation)</b>	
<b>RRID</b>	AB_2564743 (BioLegend Cat. No. 808503) AB_2810708 (BioLegend Cat. No. 808504) AB_2564744 (BioLegend Cat. No. 808501) AB_2564745 (BioLegend Cat. No. 808502)

### Antigen Details

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<b>Biology Area</b>	Cell Biology, Mitochondrial Function, Neurodegeneration, Neuroinflammation, Neuroscience, Neuroscience Cell Markers, Protein Trafficking and Clearance
<b>Molecular Family</b>	Mitochondrial Markers
<b>Gene ID</b>	<a href="#">5071</a>

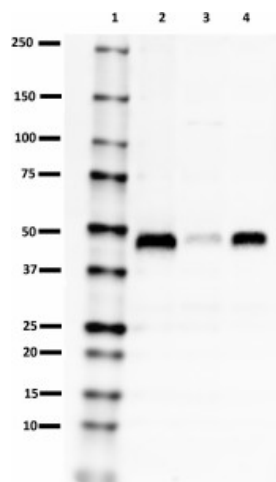
## Related Protocols

[Western Blotting Protocol](#)

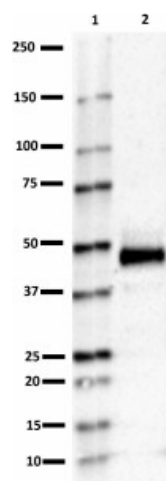
## Other Formats

Purified anti-Parkin

## Product Data



Western blot of purified anti-Parkin antibody (clone Prk 8). Lane 1: Molecular weight marker; Lane 2: 20  $\mu$ g of human brain lysate; Lane 3: 20  $\mu$ g of mouse brain lysate; Lane 4: 20  $\mu$ g of rat brain lysate. The blot was incubated with 1  $\mu$ g/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  $\mu$ g of mouse skeletal muscle lysate. The blot was incubated with 1  $\mu$ g/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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