

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

<b>Catalog# / Size</b>	808504 / 25 µL 808501 / 200 µL 808502 / 500 µL 808503 / 1 mL
<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

---

<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_2810708 (BioLegend Cat. No. 808504) AB_2564744 (BioLegend Cat. No. 808501) AB_2564745 (BioLegend Cat. No. 808502) AB_2564743 (BioLegend Cat. No. 808503)

### Antigen Details

---

<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>

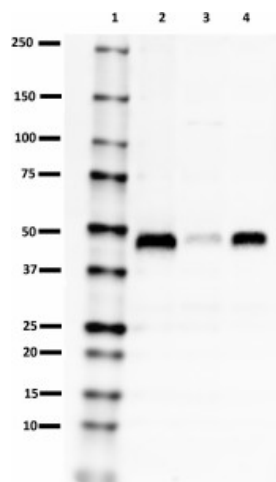
## Related Protocols

[Western Blotting Protocol](#)

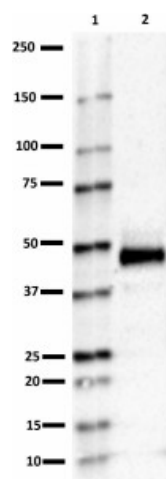
## Other Formats

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.

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587