



Datasheet for ABIN1574065  
**anti-Parkin antibody (AA 300-350)**



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3 Images

### Overview

Quantity:	40 µg
Target:	Parkin (PARK2)
Binding Specificity:	AA 300-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Parkin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

### Product Details

Immunogen:	KLH-coupled synthetic peptide within AA 300-350 of human parkin protein
Isotype:	IgG
Specificity:	Parkin Antibody, pAb, Rabbit detects endogenous levels of human, mouse and rat parkin protein.
Purification:	Immunoaffinity chromatography

### Target Details

Target:	Parkin (PARK2)
Alternative Name:	Parkin ( <a href="#">PARK2 Products</a> )
Background:	Parkin, also known as PARKIN2, is a novel protein in Ubl conjugation pathway. Parkin functions

## Target Details

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within a multiprotein E3 ubiquitin ligase complex, catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include CCNE1, SYT11, GPR37, and STUB1, a 22 kDa O-linked glycosylated isoform of SNCAIP and SEPT5. Parkin may play a more general role in the ubiquitin proteasomal pathway by participating in the removal and/or detoxification of abnormally folded or damaged protein. The protein may protect neurons against alpha synuclein toxicity, proteasomal dysfunction, GPR37 accumulation, and kainate-induced excitotoxicity. Defects in PARK2 are a cause of Parkinson disease (PD). Parkin Antibody, pAb, Rabbit is developed in rabbit using a KLH-coupled synthetic peptide within residues 300-350 of human parkin protein (Swiss Prot: O60260).

Pathways: [Autophagy](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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Application Notes: Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/mL

Western blot: 0.5-1 µg/mL  
IHC: 5-10 µg/mL  
Flow cytometry: 1-3 µg for 1 x 10<sup>6</sup> cells  
Other applications: user-optimized

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: PBS, pH 7.4, containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of

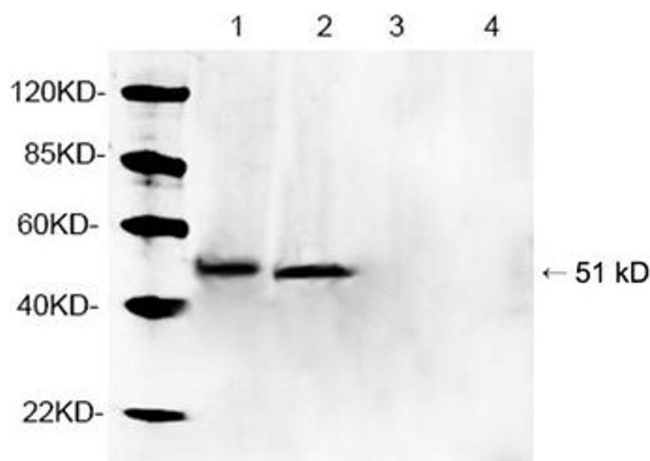
## Handling

potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C/-20 °C

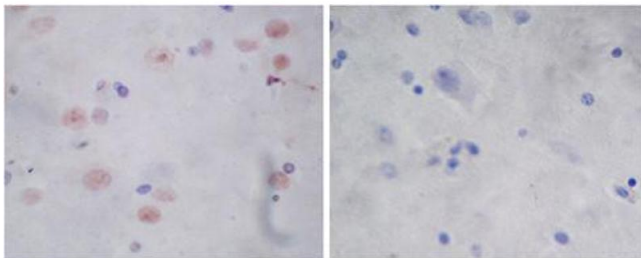
Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

## Images



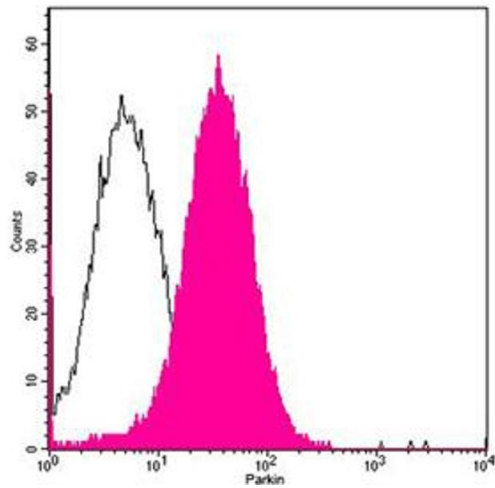
### Western Blotting

**Image 1.** Western blot analysis of tissue lysates using 1 µg/mL Rabbit Anti-Parkin Polyclonal Antibody (ABIN398785) Lane 1, 3: Mouse brain tissue lysate Lane 2, 4: Rat brain tissue lysate Primary antibody: Lane 1, 2: Rabbit Anti-Parkin Polyclonal Antibody Lane 3, 4: Rabbit Anti-Parkin Polyclonal Antibody pre-incubated with immunizing peptide The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.



### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of human brain tissue slide (Paraffin embedded) using Rabbit Anti-Parkin Polyclonal Antibody (left, ABIN398785) and Purified Rabbit IgG (whole molecule) Control (right, ABIN398653)



### Flow Cytometry

**Image 3.** Flow cytometric analysis of HeLa cells using Parkin Antibody, pAb, Rabbit (ABIN398785, shaded histogram) or with an isotype control antibody (ABIN398653, open histogram), followed by R-PE conjugated anti-rabbit IgG.