

Datasheet for ABIN3043896  
**anti-Parkin antibody (AA 23-416)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	Parkin (PARK2)
Binding Specificity:	AA 23-416
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for E3 ubiquitin-protein ligase parkin(PARK2) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	E.coli-derived human Parkin recombinant protein (Position: I23-K416). Human Parkin shares 82% and 84% amino acid (aa) sequence identity with mouse and rat Parkin, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for E3 ubiquitin-protein ligase parkin(PARK2) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.</p> <p>Gene Name: parkin RBR E3 ubiquitin protein ligase</p> <p>Protein Name: E3 ubiquitin-protein ligase parkin</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	Parkin (PARK2)
Alternative Name:	PARK2 ( <a href="#">PARK2 Products</a> )
Background:	<p>Parkin is a RING domain-containing E3 ubiquitin ligase involved in proteasome-dependent degradation of proteins. It is mapped to 6q26. This gene is important for mitochondrial quality control by lysosome-dependent degradation of damaged mitochondria through autophagy, or mitophagy. Parkin is expressed in neuronal processes and cell bodies of neurons, but not glial cells, in the midbrain, basal ganglia, cerebral cortex, and cerebellum. Parkin assimilated with actin filaments, suggesting that it is a cytoskeletal-associated protein. Parkin is identified as a transcriptional repressor of p53 independent of its ubiquitin ligase function. It also has been found that parkin was associated physically with mitochondrial DNA (mtDNA) in proliferating as well as in differentiated SH-SY5Y neuroblastoma cells.</p> <p>Synonyms: AR JP antibody E3 ubiquitin ligase antibody E3 ubiquitin protein ligase parkin antibody E3 ubiquitin-protein ligase parkin antibody FRA6E antibody LPRS 2 antibody LPRS2 antibody PARK 2 antibody PARK2 antibody Parkin 2 antibody Parkinson disease (autosomal recessive juvenile) 2 antibody Parkinson disease (autosomal recessive, juvenile) 2, parkin antibody Parkinson disease protein 2 antibody Parkinson juvenile disease protein 2 antibody Parkinson protein 2 E3 ubiquitin protein ligase antibody Parkinson protein 2, E3 ubiquitin protein ligase (parkin) antibody PDJ antibody PRKN 2 antibody PRKN antibody PRKN2 antibody PRKN2_HUMAN antibody Ubiquitin E3 ligase PRKN antibody</p>
Gene ID:	5071
UniProt:	<a href="#">O60260</a>
Pathways:	<a href="#">Autophagy</a> , <a href="#">Ubiquitin Proteasome Pathway</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for Parkin is approximately 0.2 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>ICC: Concentration: 0.5-1 µg/mL, Tested Species: Mouse</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested.</p> <p>Optimal dilutions should be determined by end users.</p>
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## Application Details

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

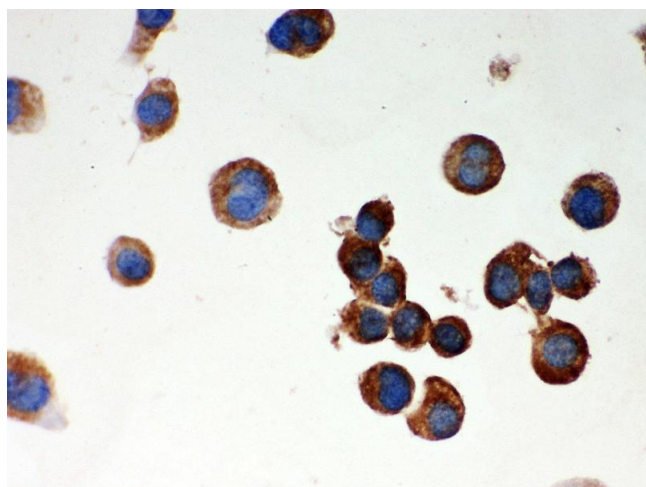
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

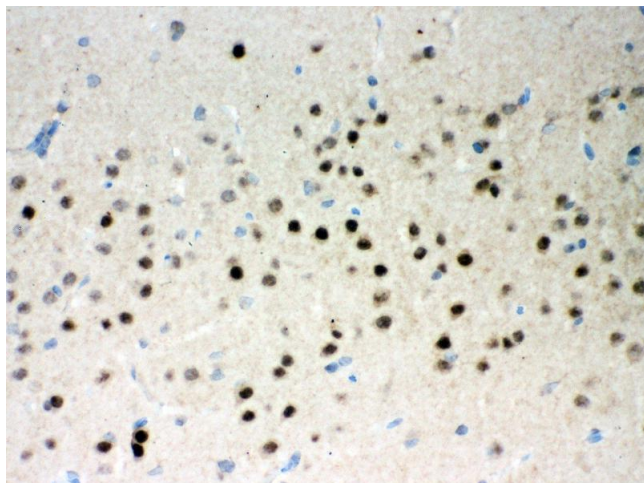
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



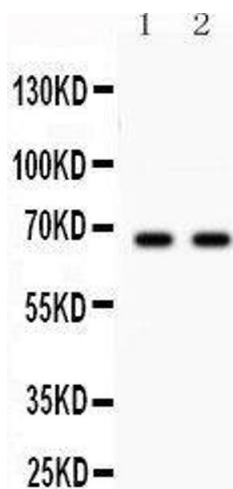
### Immunohistochemistry

**Image 1.** Anti- Parkin Picoband antibody, ICC ICC: NEURO-2 α Cell



#### Immunohistochemistry

**Image 2.** Anti- Parkin Picoband antibody, IHC(P) IHC(P): Rat Brain Tissue



#### Western Blotting

**Image 3.** Anti- Parkin Picoband antibody, Western blotting  
All lanes: Anti Parkin at 0.5ug/ml Lane 1: U87 Whole Cell Lysate at 40ug Lane 2: Mouse Brain Tissue Lysate at 50ug  
Predicted bind size: 66KD Observed bind size: 66KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043896.