

## Anti-Parkin/PRKN Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9307-Fluoro550

### About PRKN

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 associated 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.

### Overview

Product Name	Anti-Parkin/PRKN Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O60260

### Technical Details

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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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