10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Parkin (Ser101) Antibody

Our Anti-Parkin (Ser101) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1511

Specification

Anti-Parkin (Ser101) Antibody - Product Information

Primary Accession	O60260
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51641

Anti-Parkin (Ser101) Antibody - Additional Information

Gene ID	5071

Other Names
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

Target/Specificity
Parkin is an E3 ligase in the ubiquitin-proteasome system. Hereditary Parkinson’s disease is most commonly caused by mutations in the parkin gene and is characterized by the progressive loss of dopaminergic neurons and the presence of Lewy bodies in the substania nigra (Jenner et al.,1992). Recent evidence suggests that phosphorylation of parkin at Ser-101 may have an important regulatory role on its E3 ubiquitin ligase activity (Yamamoto et al., 2005).

Format
Antigen Affinity Purified from Pooled Serum

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Anti-Parkin (Ser101) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

Anti-Parkin (Ser101) Antibody - Protocols

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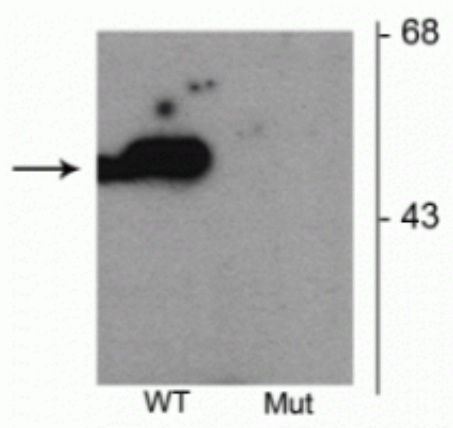
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Parkin (Ser101) Antibody - Images



Western blot of HEK293 cells transfected with Parkin wild type (WT) and Parkin S101 mutant (Mut) showing the specific immunolabeling of the ~52 kDa parkin protein phosphorylated at Ser101.

Anti-Parkin (Ser101) Antibody - Background

Parkin is an E3 ligase in the ubiquitin-proteasome system. Hereditary Parkinson's disease is most commonly caused by mutations in the parkin gene and is characterized by the progressive loss of dopaminergic neurons and the presence of Lewy bodies in the substania nigra (Jenner et al.,1992). Recent evidence suggests that phosphorylation of parkin at Ser-101 may have an important regulatory role on its E3 ubiquitin ligase activity (Yamamoto et al., 2005).