

## Rabbit Parkin Polyclonal Antibody | anti-PARK2 antibody

Rabbit anti-Parkin Antibody

| CATALOG # | HOST   | REACTIVITY    | APPLICATIONS                                           |
|-----------|--------|---------------|--------------------------------------------------------|
| AAA220993 | Rabbit | Human, Bovine | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Parkin; Polyclonal Antibody; Rabbit anti-Parkin Antibody; PRKN; E3 ubiquitin-protein ligase parkin; Parkinson juvenile disease protein 2; Parkinson disease protein 2; anti-PARK2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                |
| Reactivity                                      | Human, Bovine                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                            |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                                       |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                             |
| Concentration                                   | 1mg/mL (varies by lot)                                                                                                                |
| Applicable Applications for anti-PARK2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Parkin. The exact sequence is proprietary. |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                             |

### IMAGES



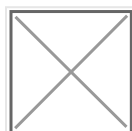
#### IF (Immunofluorescence)

Immunofluorescent analysis of Parkin staining in U87MG cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of Parkin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of Parkin expression in SHSY5Y (A), HuvEc (B) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Product Categories/Family for anti-PARK2 antibody | Primary antibodies |
|---------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 169790969                                                                                                                             |
| NCBI GeneID                      | 5071                                                                                                                                  |
| NCBI Accession #                 | NP_004553.2                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_004562.2                                                                                                                           |
| UniProt Accession #              | O60260; Q5TFV8; Q6Q2I6; Q8NI41; Q8NI43; Q8NI44; Q8WW07; A3FG77; A8K975                                                                |
| Molecular Weight                 | 51,641 Da                                                                                                                             |
| NCBI Official Full Name          | E3 ubiquitin-protein ligase parkin isoform 1                                                                                          |
| NCBI Official Synonym Full Names | parkinson protein 2, E3 ubiquitin protein ligase (parkin)                                                                             |
| NCBI Official Symbol             | PARK2                                                                                                                                 |
| NCBI Official Synonym Symbols    | PDJ; PRKN; AR-JP; LPRS2                                                                                                               |
| NCBI Protein Information         | E3 ubiquitin-protein ligase parkin; parkinson juvenile disease protein 2; Parkinson disease (autosomal recessive, juvenile) 2, parkin |
| UniProt Protein Name             | E3 ubiquitin-protein ligase parkin                                                                                                    |
| UniProt Gene Name                | <b>PARK2</b>                                                                                                                          |
| UniProt Synonym Gene Names       | PRKN; Parkinson disease protein 2                                                                                                     |
| UniProt Entry Name               | PRKN2_HUMAN                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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