

## Rat Parkinson disease 2/parkin ELISA Kit | Park2 elisa kit

Rat Parkinson disease 2/parkin ELISA Kit

CATALOG #  
**AAA83084**

REACTIVITY  
**Rat**

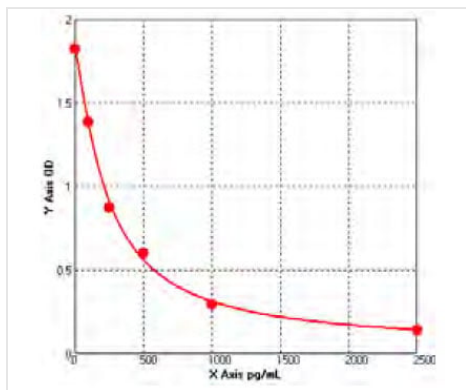
### PRODUCT SYNONYMS

Parkinson disease 2/parkin; Rat Parkinson disease 2/parkin ELISA Kit; Parkinson disease 2/parkin (Rat); Park2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of PARK2. No significant cross-reactivity or interference between PARK2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PARK2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Park2 elisa kit | <p>Intended Uses: This PARK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PARK2. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: PARK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PARK2 antibody and an PARK2-HRP conjugate. The assay sample and buffer are incubated together with PARK2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PARK2 concentration since PARK2 from samples and PARK2-HRP conjugate compete for the anti-PARK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PARK2 from the sample, fewer sites are left to bind PARK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PARK2 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for Park2 elisa kit   | Rat ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 18314633                                                                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 5071                                                                                                                                                                                                                                                                                                                      |
| UniProt Accession #              | O60260; Q5TFV8; Q6Q2I6; Q8NI41; Q8NI43; Q8NI44; Q8WW07; A3FG77; A8K975; Q5VVX1; Q5VVX3; Q5VVX4; Q5XNR7; Q5XNR8; Q6Q2I7; Q6Q2I8; Q6S8G7; Q8NI42                                                                                                                                                                            |
| Molecular Weight                 | 51,641 Da                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | PARK2 protein                                                                                                                                                                                                                                                                                                             |
| 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; parkin 2; OTTHUMP00000017562; OTTHUMP00000017563; OTTHUMP00000017564; OTTHUMP00000017565; OTTHUMP00000017566; OTTHUMP00000017567; E3 ubiquitin ligase; parkinson disease protein 2; parkinson juvenile disease protein 2; Parkinson disease (autosomal recessive, juvenile) 2, parkin |
| UniProt Protein Name             | E3 ubiquitin-protein ligase parkin                                                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | PARK2                                                                                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | PRKN                                                                                                                                                                                                                                                                                                                      |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/park2-rat-elisa-kits/parkinson-disease-2-parkin/83084>