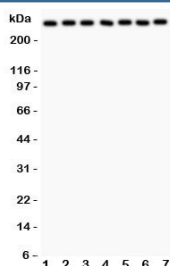


## LRRK2 Antibody (R31694)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31694      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                             |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                             |
| <b>Format</b>             | Antigen affinity purified                                     |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                    |
| <b>Isotype</b>            | Rabbit IgG                                                    |
| <b>Purity</b>             | Antigen affinity                                              |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| <b>Gene ID</b>            | 120892                                                        |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                     |
| <b>Limitations</b>        | This LRRK2 antibody is available for research use only.       |



Western blot testing of LRRK2 antibody and Lane 1: rat brain; 2: mouse brain; 3: (r) liver; 4: human U87; 5: (m) Neuro-2a; 6: (h) A549; 7: (h) SMMC-7721 lysate.  
Expected/observed size ~280KD

## Description

Leucine-rich repeat kinase 2 (LRRK2), also known as Dardarin, is an enzyme that in humans is encoded by the PARK8 gene. It is a member of the leucine-rich repeat kinase family. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Expression of mutant LRRK2 induced apoptotic cell death in neuroblastoma cells and in mouse cortical neurons. It has been determined that LRRK2 possesses mixed-lineage kinase activity, and LRRK2 also showed autophosphorylation activity. Additionally, it has an affinity for lipids or lipid-associated proteins and may play a role in the biogenesis or regulation of membranous intracellular structures in the brain. It is also an IFNG target gene that may be involved in signaling pathways relevant to Crohns disease.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the LRRK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 10-350) was used as the immunogen for this LRRK2 antibody.

## Storage

After reconstitution, the LRRK2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.