



## Rabbit anti LRRK2(pS955) Polyclonal Antibody

Alternative Name(s): leucine-rich repeat kinase 2

### Order Information

- **Description:** LRRK2(pS955)
- **Catalogue:** 630-250
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt, Bv

### **ANTIGEN PREPARATION**

A synthetic peptide surrounding the epitope –RKILS-\*S-DDSLR- with a phosphorylation sites Ser955 of human LRRK2. This sequence is identical among human, rat, mouse.

### **BACKGROUND**

LRRK2, leucine rich repeat kinase 2, belong to the leucine-rich repeat kinase family and encodes a protein with an ankyrin repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson disease-8.

### **PURIFICATION**

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

### **FORMULATION**

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes human LRRK2(pS955) protein with the phosphorylation site Serine 955. It cross reacts to human, mice and rat.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

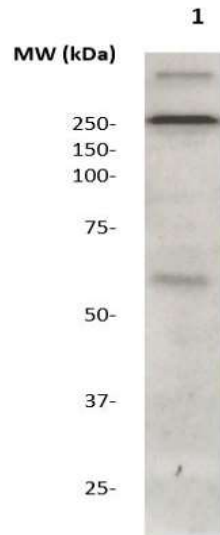
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 250.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**



Western Blot: The whole lysate derived from PMA-treated U118MG (20 ug/lane) immunoblotted by Rabbit anti LRRK2 (pS955) (Cat# 630-250) at 1:500. Observed a major immunoreactive band at molecular weight >200kDa.

**REFERENCES**

Jeong GR, Lee BD , Pathological Functions of LRRK2 in Parkinson's Disease. Cells. 2020 Nov 30;9(12):2565

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