

For Research Use Only

# LRRK2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84062-3-PBS



## Basic Information

<b>Catalog Number:</b> 84062-3-PBS	<b>GenBank Accession Number:</b> NM_198578	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 120892	<b>CloneNo.:</b> 241258B3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q55007	
<b>Isotype:</b> IgG	<b>Full Name:</b> leucine-rich repeat kinase 2	
<b>Immunogen Catalog Number:</b> AG33713	<b>Calculated MW:</b> 286 kDa	
	<b>Observed MW:</b> 286 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Leucine-rich repeat kinase 2 (LRRK2) in humans is encoded by the PARK8/LRRK2 gene. Genetic variations within the LRRK2 gene are linked to a number of diseases, including Parkinson's disease (PD), Crohn's disease and Hansen's disease. The most frequent pathogenic mutations reside in the ROC-COR GTPase (R1441G/C/H, Y1669C) and kinase domains (G2019S, I2020T), indicating important roles for both enzymatic domains in the pathogenicity of LRRK2-driven PD. The G2019S mutation in the Leucine-rich repeat kinase-2 (LRRK2) protein is the most common pathogenic mutation, accounting for 1-6% of sporadic and 3-19% of familial PD. (PMID: 34991886, PMID: 30872638)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

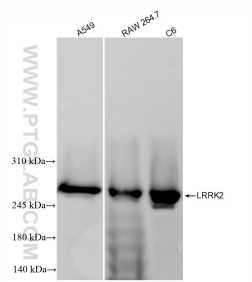
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84062-3-RR (LRRK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84062-3-PBS in a different storage buffer formulation.