

Datasheet for ABIN391148  
**anti-LRRK2 antibody (AA 930-961)**[Go to Product page](#)

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## Overview

Quantity:	400 µL
Target:	LRRK2
Binding Specificity:	AA 930-961
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	This PARK8(LRRK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 930-961 amino acids from human PARK8(LRRK2).
Clone:	RB07209
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	LRRK2
Alternative Name:	PARK8 (LRRK2) ( <a href="#">LRRK2 Products</a> )
Background:	Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1

## Target Details

percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson's disease identified to date. LRRK2, a genetic mutation, was recently found linked to about 5 percent of inherited cases of Parkinson's disease. By high-resolution recombination mapping and candidate gene sequencing in 46 families, 6 disease-segregating mutations (5 missense and 1 putative splice site mutation). It may be central to the pathogenesis of several major neurodegenerative disorders associated with parkinsonism. LRRK2 belongs to the ROCO protein family and includes a protein kinase domain of the MAPKKK class and several other major functional domains.

Molecular Weight:	286103
Gene ID:	120892
NCBI Accession:	<a href="#">NP_940980</a>
UniProt:	<a href="#">Q5S007</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

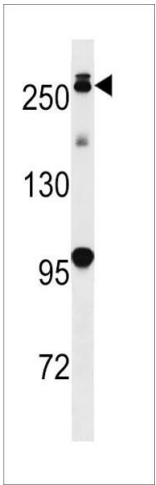
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in: Lin, Liu, Sun, Yuan, Zhang, Chen: "Establishment and characterization of a tamoxifen-mediated reversible immortalized mouse dental papilla cell line." in: **In vitro cellular & developmental biology. Animal**, Vol. 49, Issue 2, pp. 114-21, (2013) ([PubMed](#)).

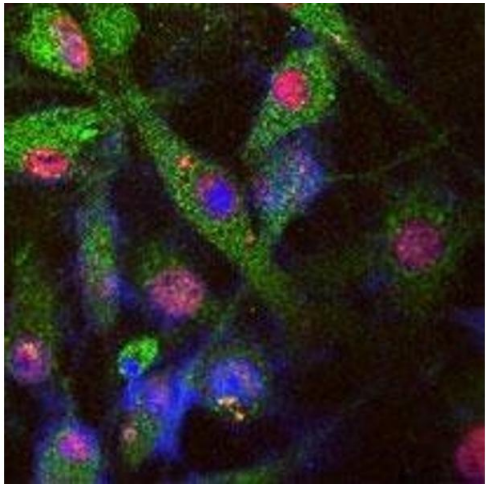
Kaushik, Arias, Kwon, Lopez, Athonvarangkul, Sahu, Schwartz, Pessin, Singh: "Loss of autophagy in hypothalamic POMC neurons impairs lipolysis." in: **EMBO reports**, Vol. 13, Issue 3, pp. 258-65, (2012) ([PubMed](#)).

Images



Western Blotting

**Image 1.** Park8 (LRRK2) Antibody h western blot analysis in mouse lung tissue lysates (35 µg/lane). This demonstrates the Park8 (LRRK2) antibody detected the Park8 (LRRK2) protein (arrow).



Immunofluorescence

**Image 2.** Tau-stable SY5Y cell image stained for endogenous LRRK (green) by Abgent L955a (affinity purified), phosphorylated tau (red, monoclonal AT8) and nuclear staining by DAPI.



#### Western Blotting

**Image 3.** RK8 (LRRK2) Antibody h detect over-expressed human LRRK2 protein.