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# Datasheet for ABIN1882108 anti-LRRK2 antibody (Glu519)

3 Publications



### Overview

Quantity:	400 µL
Target:	LRRK2
Binding Specificity:	AA 504-536, Glu519
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRK2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This PARK8(LRRK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 504-536 amino acids from human PARK8(LRRK2).
Clone:	RB7205
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. Purified Rabbit Polyclonal Antibody (Pab)

## Target Details

Target:	LRRK2
Alternative Name:	PARK8 (LRRK2) (LRRK2 Products)
Background:	Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1
	percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN1882108 | 11/30/2023 | Copyright antibodies-online. All rights reserved. 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.

Synonyms: LRRK2, PARK8, Leucine-rich repeat serine/threonine-protein kinase 2, Dardarin

NCBI Accession:	NP_940980
UniProt:	Q5S007
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development

### Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Concentration:	2 mg/mL
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled.
	Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or
	eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a
	physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute
	azide-containing compounds in running water before discarding to avoid accumulation of
	potentially explosive deposits in lead or copper plumbing.

### **Publications**

Product cited in:

Biskup, Moore, Rea, Lorenz-Deperieux, Coombes, Dawson, Dawson, West: "Dynamic and

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Shen: "Protein kinases linked to the pathogenesis of Parkinson's disease." in: **Neuron**, Vol. 44, Issue 4, pp. 575-7, (2004) (PubMed).

Wszolek, Pfeiffer, Tsuboi, Uitti, McComb, Stoessl, Strongosky, Zimprich, Müller-Myhsok, Farrer, Gasser, Calne, Dickson: "Autosomal dominant parkinsonism associated with variable synuclein and tau pathology." in: **Neurology**, Vol. 62, Issue 9, pp. 1619-22, (2004) (PubMed).