

Datasheet for ABIN391146

anti-LRRK2 antibody (AA 878-909)**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	LRRK2
Binding Specificity:	AA 878-909
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PARK8(LRRK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 878-909 amino acids from human PARK8(LRRK2).
Clone:	RB7207
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) (LRRK2 Products)
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:	NP_940980
UniProt:	Q5S007
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

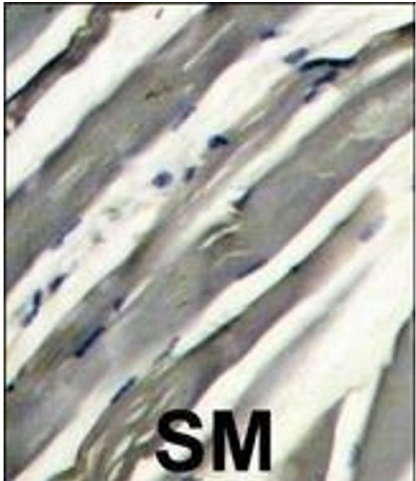
Handling

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

Publications

Product cited in: Biskup, Moore, Rea, Lorenz-Deperieux, Coombes, Dawson, Dawson, West: "Dynamic and redundant regulation of LRRK2 and LRRK1 expression." in: **BMC neuroscience**, Vol. 8, pp. 102, (2008) ([PubMed](#)).

Images



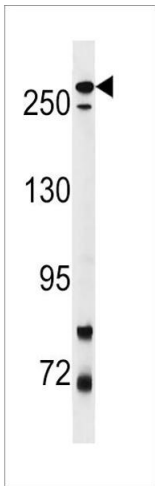
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and raffin-embedded human hetocarcinoma reacted with RK8 (LRRK2) Antibody f , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. RK8 (LRRK2) Antibody f detects over-expressed human LRRK2 protein.



Western Blotting

Image 3. Park8 (LRRK2) Antibody f western blot analysis in mouse lung tissue lysates (35 µg/lane).This demonstrates the Park8 (LRRK2) antibody detected the Park8 (LRRK2) protein (arrow).