

Datasheet for ABIN1882109
anti-LRRK2 antibody (AA 931-962)[Go to Product page](#)[3 Images](#)[4 Publications](#)

Overview

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|----------------------|--|
| Quantity: | 400 µL |
| Target: | LRRK2 |
| Binding Specificity: | AA 931-962 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|---------------|---|
| Immunogen: | This PARK8(LRRK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 931-962 amino acids from human PARK8(LRRK2). |
| Clone: | RB7199 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

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|-------------------|---|
| 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 |

Target Details

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.

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|-------------------|---|
| Molecular Weight: | 286103 |
| NCBI Accession: | NP_940980 |
| UniProt: | Q5S007 |
| Pathways: | Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development |

Application Details

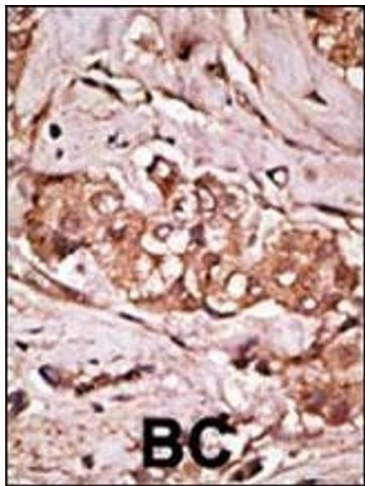
| | |
|--------------------|---|
| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| 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 |
| Expiry Date: | 6 months |

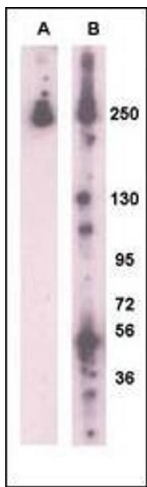
Publications

| | |
|-------------------|--|
| Product cited in: | Mei, Li, Chu, Yiu, Lo: "The inhibitory effects of silver diamine fluoride at different concentrations on matrix metalloproteinases." in: Dental materials : official publication of the Academy of Dental Materials , Vol. 28, Issue 8, pp. 903-8, (2012) (PubMed). |
|-------------------|--|



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of RK8 (LRRK2) (arrow) using rabbit polyclonal RK8 (LRRK2)Antibody g. (A) 293 cell lysate (2 µg) transiently transfected with the RK8 gene (Origene Technologies). (B) Mouse brain lysates (35 µg/lane). RK8 (arrow) was detected using the purified polyclonal antibody.



Western Blotting

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