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# Product datasheet for AM11056PU-N

## LRRK2 (C-term) Mouse Monoclonal Antibody [Clone ID: 133AT1218]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | 133AT1218 |
| **Applications:** | WB |
| **Recommended Dilution:** | ELISA: 1/1,000.<br>Western blotting: 1/100-1/500. |
| **Reactivity:** | Human, Mouse |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | This antibody was raised in mice using purified His-tagged recombinant protein comprised of the C-terminal 261 residues of LRRK2. |
| **Specificity:** | This antibody is specific to PARK8 (LRRK2). |
| **Formulation:** | PBS containing 0.09% (W/V) Sodium Azide as preservative.<br>State: Purified<br>State: Liquid purified Ig fraction. |
| **Concentration:** | lot specific |
| **Purification:** | Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | leucine-rich repeat kinase 2 |
| **Database Link:** | Entrez Gene 120892 Human<br>Q5S007 |

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**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 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:** Dardarin

## Product images:

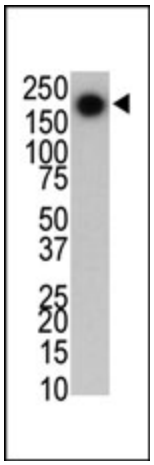


Figure 1. Western blot analysis of anti-LRRK2 Mab to detect LRRK2 in mouse brain cell lysate.