

## Product datasheet for **AM11057PU-N**

### LRRK2 (C-term) Mouse Monoclonal Antibody [Clone ID: 133AT720]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	133AT720
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/1,000. 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. State: Purified 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. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leucine-rich repeat kinase 2
Database Link:	<a href="#">Entrez Gene 120892 Human Q5S007</a>



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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

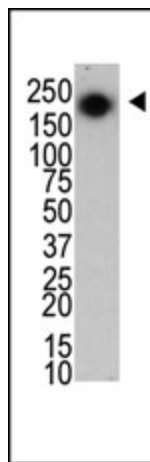
**Product images:**

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