

## LRRK2 Conjugated Antibody

Catalog No: #C56018



Package Size: #C56018-AF350 100ul #C56018-AF405 100ul #C56018-AF488 100ul  
 #C56018-AF555 100ul #C56018-AF594 100ul #C56018-AF647 100ul  
 #C56018-AF680 100ul #C56018-AF750 100ul #C56018-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | LRRK2 Conjugated Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Monoclonal   |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity-chromatography  |
| Species Reactivity    | Human Mouse Rat  |
| Specificity           | LRRK2 Antibody detects endogenous levels of total LRRK2  |
| Immunogen Description | A synthesized peptide derived from human LRRK2   |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | AURA17; Dardarin antibody;; Leucine rich repeat kinase 2; LRRK 2 antibody; LRRK2; LRRK2_HUMAN; PARK 8; PARK8; RIPK7; ROCO 2; ROCO2;  |
| Accession No.         | Uniprot:Q5S007   |
| Uniprot               | Q5S007   |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW         | 280kDa   |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250  
 AF405 conjugated: most applications: 1: 50 - 1: 250  
 AF488 conjugated: most applications: 1: 50 - 1: 250  
 AF555 conjugated: most applications: 1: 50 - 1: 250  
 AF594 conjugated: most applications: 1: 50 - 1: 250  
 AF647 conjugated: most applications: 1: 50 - 1: 250  
 AF680 conjugated: most applications: 1: 50 - 1: 250  
 AF750 conjugated: most applications: 1: 50 - 1: 250

## Product Description

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Positively regulates autophagy through a calcium-dependent activation of the CaMKK/AMPK signaling pathway. The process involves activation of nicotinic acid adenine dinucleotide phosphate (NAADP) receptors, increase in lysosomal pH, and calcium release from lysosomes. Together with RAB29, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner.

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Note: This product is for in vitro research use only