

Product Name: LRRK2 (6P9) Rabbit Monoclonal Antibody
Catalog #: AMRe13446

Summary

Production Name	LRRK2 (6P9) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF,IP,IF-P
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type
Buffer	preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	LRRK2
Alternative Names	Leucine-rich repeat serine/threonine-protein kinase 2; Dardarin; PARK8; ROCO2; RIPK7; LRRK2
Gene ID	120892.0
SwissProt ID	Q5S007.

Application

Dilution Ratio	WB 1:2000, IHC-P/IF-P 1:100, ICC/IF 1:100, IP 1:20
Molecular Weight	286kDa

Product Name: LRRK2 (6P9) Rabbit Monoclonal Antibody
Catalog #: AMRe13446

Background

LRRK2 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. Serine/threonine-protein kinase which phosphorylates a broad range of proteins involved in multiple processes such as neuronal plasticity, autophagy, and vesicle trafficking (PubMed:

[20949042](http://www.uniprot.org/citations/20949042)), PubMed:

[22012985](http://www.uniprot.org/citations/22012985)), PubMed:

[26824392](http://www.uniprot.org/citations/26824392)), PubMed:

[29125462](http://www.uniprot.org/citations/29125462)), PubMed:

[28720718](http://www.uniprot.org/citations/28720718)), PubMed:

[29127255](http://www.uniprot.org/citations/29127255)), PubMed:

[30398148](http://www.uniprot.org/citations/30398148)), PubMed:

[29212815](http://www.uniprot.org/citations/29212815)), PubMed:

[30635421](http://www.uniprot.org/citations/30635421)), PubMed:

[21850687](http://www.uniprot.org/citations/21850687)), PubMed:

[23395371](http://www.uniprot.org/citations/23395371)), PubMed:

[17114044](http://www.uniprot.org/citations/17114044)), PubMed:

[24687852](http://www.uniprot.org/citations/24687852)), PubMed:

[26014385](http://www.uniprot.org/citations/26014385)), PubMed:

[25201882](http://www.uniprot.org/citations/25201882)). Is a key regulator of RAB GTPases by regulating the GTP/GDP exchange and interaction partners of RABs through phosphorylation (PubMed:

[26824392](http://www.uniprot.org/citations/26824392)), PubMed:

[28720718](http://www.uniprot.org/citations/28720718)), PubMed:

[29127255](http://www.uniprot.org/citations/29127255)), PubMed:

[30398148](http://www.uniprot.org/citations/30398148)), PubMed:

[29212815](http://www.uniprot.org/citations/29212815)), PubMed:

[29125462](http://www.uniprot.org/citations/29125462)), PubMed:

[30635421](http://www.uniprot.org/citations/30635421)). Phosphorylates RAB3A, RAB3B, RAB3C, RAB3D, RAB5A, RAB5B, RAB5C, RAB8A, RAB8B, RAB10, RAB12, RAB35, and RAB43 (PubMed:

[26824392](http://www.uniprot.org/citations/26824392)), PubMed:

[28720718](http://www.uniprot.org/citations/28720718)), PubMed:

[29127255](http://www.uniprot.org/citations/29127255)), PubMed:

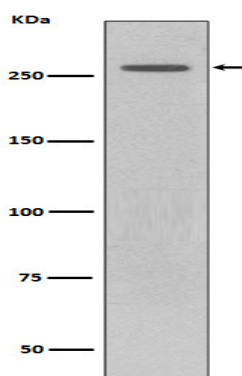
Web: <https://www.enkilife.com> E-mail: order@enkilife.com techsupport@enkilife.com Tel: 0086-27-87002838

Product Name: LRRK2 (6P9) Rabbit Monoclonal Antibody
Catalog #: AMRe13446



Research Area

Image Data



Western blot analysis of LRRK2 expression in GFP-LRRK2 lysate.

Note

For research use only.