

**Product Name: Phospho-LRRK2 (S935) (16B17) Rabbit
Monoclonal Antibody
Catalog #: AMRe05937**



Summary

Production Name	Phospho-LRRK2 (S935) (16B17) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
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.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type 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	AURA17;Dardarin; LRRK2; LRRK 2; PARK8; RIPK7; ROCO2;
Gene ID	120892.0
SwissProt ID	Q5S007.

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	286kDa

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Background

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. Regulates neuronal process morphology in the intact central nervous system (CNS). Plays a role in synaptic vesicle trafficking. Phosphorylates PRDX3. Has GTPase activity. May play a role in the phosphorylation of proteins central to Parkinson disease. 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, PubMed: 22012985, PubMed: 26824392, PubMed: 29125462, PubMed: 28720718, PubMed: 29127255, PubMed: 30398148, PubMed: 29212815, PubMed: 30635421, PubMed: 21850687, PubMed: 23395371, PubMed: 17114044, PubMed: 24687852, PubMed: 26014385, PubMed: 25201882). Is a key regulator of RAB GTPases by regulating the GTP/GDP exchange and interaction partners of RABs through phosphorylation (PubMed: 26824392, PubMed: 28720718, PubMed: 29127255, PubMed: 30398148, PubMed: 29212815, PubMed: 29125462, PubMed: 30635421). Phosphorylates RAB3A, RAB3B,

RAB3C, RAB3D, RAB5A, RAB5B, RAB5C, RAB8A, RAB8B, RAB10, RAB12, RAB35, and RAB43 (PubMed: 26824392, PubMed: 28720718, PubMed: 29127255, PubMed: <a

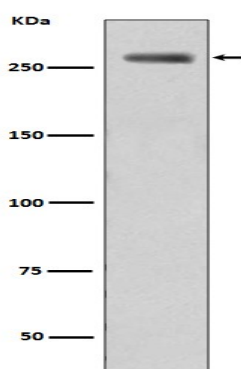
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Research Area

Image Data



Western blot analysis of Filamin A phosphorylation expression in WT-LRRK2 cell lysate treated LRRK2.

Note

For research use only.