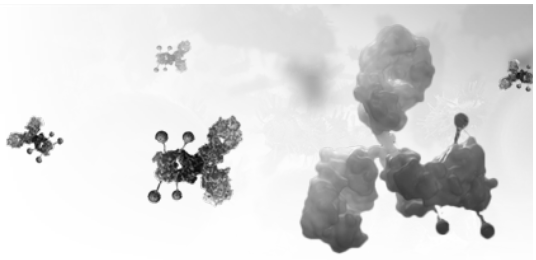

Rabbit Anti-Human phospho LRRK2 (Ser935) monoclonal antibody, clone 4I9M20 (CABT-L1450)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with non-human primate, mouse and rat based on sequence homology.
Target	LRRK2
Immunogen	Phosphopeptide corresponding to amino acids 930-940 of human LRRK2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	4I9M20
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IHC-P, IF, WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide

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Storage	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C

BACKGROUND

Introduction	LRRK2 belongs to the leucine-rich repeat kinase family commonly known as Dardarin. The LRRK2 gene encodes for a protein with an ankyrin-repeat region, a leucine-rich repeat region, a kinase domain, a RAS domain, a GTPase-domain, a MLK-like domain, and a WD40 domain. Proteins with leucine-rich regions play important roles in activities that require protein-protein interactions, such as transmitting signals or helping to assemble the cell's structural framework. Phosphorylation of LRRK2 at multiple sites including serine 910 and serine 935 regulates LRRK2 mediated cellular activities by affecting binding of dimeric 14-3-3 protein. Phosphorylation at Ser910, found to be constitutive in various tissues, is caused by protein kinase A. In humans, he gene is present on the q arm of chromosome 12.
Keywords	augmented in rheumatoid arthritis 17;BC 300-268;Dardarin;Leucine-rich repeat kinase 2;Leucine-rich repeat serine/threonine-protein kinase 2;LRR kinase 2;LRRK 2;LRRK-2;PARK8;ROCO2

GENE INFORMATION

Entrez Gene ID	120892
UniProt ID	Q5S007

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