



# Rabbit Anti-Human LRRK2 (Phospho T1491) Polyclonal Antibody (CABT-CS451)

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

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody recognizes human LRRK2 (pT1491) protein with a phosphorylation site Threonine 1491. it cross reacts to human, rat and mice.
<b>Target</b>	LRRK2
<b>Immunogen</b>	A synthetic peptide containing the epitope VNA-pT-EES with a phosphorylation site at Threonine 1491 of human LRRK2. This sequence is also identical within human, rat and mouse
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat, Bovine
<b>Purification</b>	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
<b>Conjugate</b>	unconjugated
<b>Applications</b>	IHC (P), WB, ELISA, IP
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
<b>Preservative</b>	None
<b>Storage</b>	The antibodies are stable for 24 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity.

## BACKGROUND

### Introduction

LRRK2, leucine rich repeat kinase 2, belong to the leucine-rich repeat kinase family and encodes a protein with an ankryin repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson disease.

### Keywords

LRRK2; leucine-rich repeat kinase 2; PARK8

---