

Immunotag™ LRRK2 Antibody

Antibody Specification	
Catalog No.	ITA3608
Product Description	Immunotag™ LRRK2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	LRRK2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	LRRK2 antibody detects endogenous levels of total LRRK2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Gene Name	LRRK2
Accession No.	Q5S007
Alternate Names	augmented in rheumatoid arthritis 17; AURA17; Dardarin; Leucine rich repeat kinase 2; leucine rich repeat serine threonine protein kinase 2; Leucine-rich repeat serine/threonine-protein kinase 2; LRRK 2; LRRK2; LRRK2_HUMAN; PARK 8; PARK8; RIPK7; ROCO 2; ROCO2;

Antibody Specification

Description	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. 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	286 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.