

Product datasheet for **AP13698PU-N**

LRRK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/1000. Immunofluorescence: 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 930-961 amino acids from Human PARK8 (LRRK2).
Specificity:	This antibody reacts to PARK8 (LRRK2).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leucine-rich repeat kinase 2
Database Link:	Entrez Gene 120892 Human Q5S007



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Background:

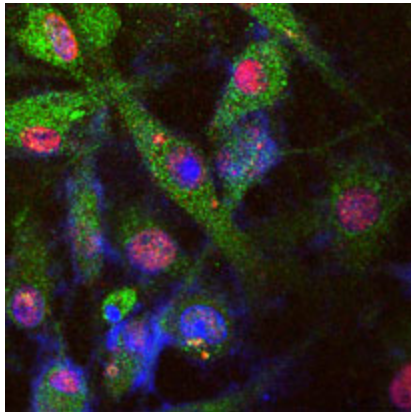
Parkinson is the second most common neurodegenerative disease after Alzheimers. About 1 percent of people over the age of 65 and 3 percent of people over the age of 75 are affected by the disease. The mutation is the most common cause of Parkinson's disease identified to date. LRRK2, a genetic mutation, was recently found linked to about 5 percent of inherited cases of Parkinson's disease. By high-resolution recombination mapping and candidate gene sequencing in 46 families, 6 disease-segregating mutations (5 missense and 1 putative splice site mutation). It may be central to the pathogenesis of several major neurodegenerative disorders associated with parkinsonism. LRRK2 belongs to the ROCO protein family and includes a protein kinase domain of the MAPKKK class and several other major functional domains.

Synonyms:

Dardarin

Product images:

PARK8 (LRRK2) Antibody detect over-expressed human LRRK2 protein.



Tau-stable SY5Y cell image stained for endogenous LRRK (green) by (affinity purified), phosphorylated tau (red, monoclonal AT8) and nuclear staining by DAPI.