Datasheet for ABIN3031610

anti-LRRK2 antibody (AA 930-961)

5 Images

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Overview

Quantity:	0.4 mL
Target:	LRRK2
Binding Specificity:	AA 930-961
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LRRK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 930-961 from the human protein was used as the immunogen for this PARK8 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	LRRK2
Alternative Name:	PARK8 (LRRK2 Products)
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.

Target Details

	LRRK2/PARK8, 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. PARK8 belongs to the ROCO protein family and includes a protein kinase domain of the MAPKKK class and several other major functional domains.
UniProt:	Q5S007
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling, Skeletal Muscle Fiber Development

Application Details

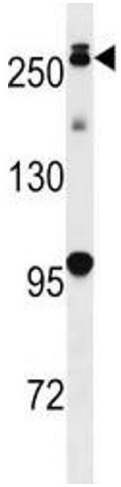
Application Notes:	Titration of the PARK8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the PARK8 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

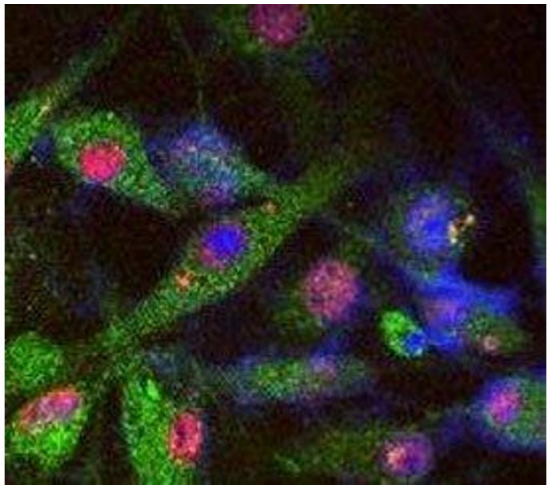
Western Blotting

Image 1. Park8 antibody detect over-expressed human LRRK2/PARK8 protein.



Western Blotting

Image 2. PARK8 antibody western blot analysis in mouse lung tissue lysate.



Immunofluorescence

Image 3. SY5Y cells stained for endogenous PARK8 (green), phosphorylated Tau (red), and DAPI nuclear staining.

Please check the product details page for more images. Overall 5 images are available for ABIN3031610.