Product Name: **LRRK2 Mouse Monoclonal Antibody**
Catalog #: **AMM82898**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	286kDa

Antigen Information

Gene Name	LRRK2
Alternative Names	PARK8; RIPK7; ROCO2; AURA17; DARDARIN
Gene ID	120892.0
SwissProt ID	Q5S007
Immunogen	Purified recombinant fragment of human LRRK2 (AA: 300-530) expressed in E. Coli.

Background

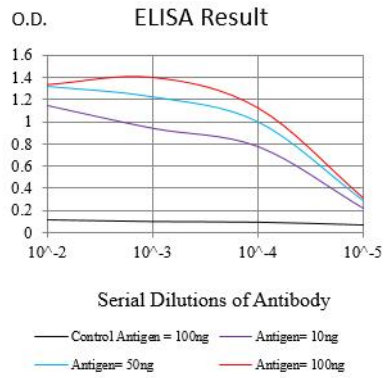
This gene is a member of the leucine-rich repeat kinase family and encodes a protein with an ankryin repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations

in this gene have been associated with Parkinson disease-8.

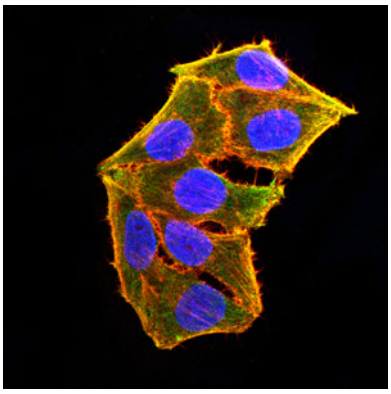
Research Area

Autophagy,MAPK signaling pathway

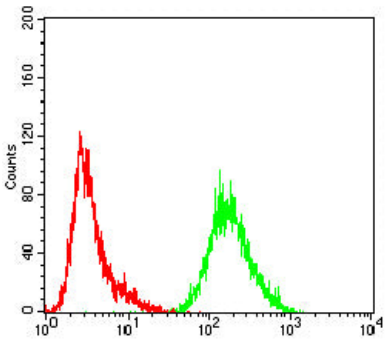
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Immunofluorescence analysis of Hela cells using LRRK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Hela cells using LRRK2 mouse mAb (green) and negative control (red).