Product Datasheet

PARK7 Antibody

Catalog No: #32112

Package Size: #32112-1 50ul #32112-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

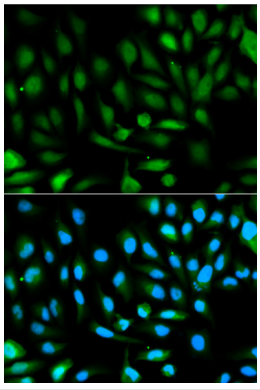
Description

Product Name	PARK7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total PARK7 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PARK7.
Target Name	PARK7
Other Names	PARK7; DJ-1; DJ1; FLJ27376; FLJ34360
Accession No.	Swiss-Prot:Q99497NCBI Gene ID:11315
Uniprot	Q99497
GeneID	11315;
SDS-PAGE MW	20KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

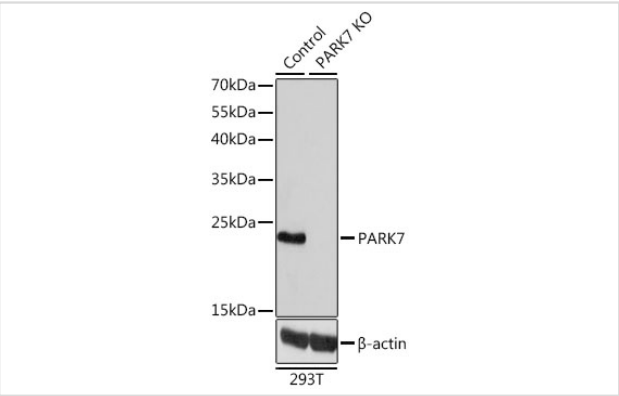
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

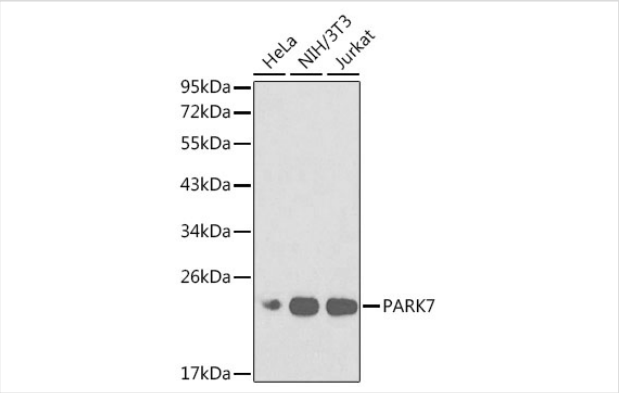
Images



Immunofluorescence analysis of HeLa cells using PARK7 .
Blue: DAPI for nuclear staining.



Western blot analysis of extracts from normal (control) and PARK7 knockout (KO) 293T cells, using PARK7 at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using PARK7 at 1:1000 dilution.

Background

Parkinson's disease (PD) is characterized by the presence of Lewy bodies (intracellular inclusions) and by the loss of dopaminergic neurons. Research studies have shown that mutations in α-synuclein, Parkin, and DJ-1 are linked to PD (1). α-synuclein is a major component of the aggregates found in Lewy bodies. Parkin is involved in protein degradation through the ubiquitin-proteasome pathway, and investigators have shown that mutations in Parkin cause early onset of PD (1). Loss-of-function mutations in DJ-1 cause early onset of PD, but DJ-1 is associated with multiple functions: it cooperates with Ras to increase cell transformation, it positively regulates transcription of the androgen receptor, and it may function as an indicator of oxidative stress (2-5). Dopamine D2 receptor-mediated functions are greatly impaired in DJ-1 (-/-) mice, resulting in reduced long-term depression (6).

Note: This product is for in vitro research use only