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Datasheet for ABIN3021235
anti-PARK7/DJ1 antibody (AA 1-189)

4 Images

Overview

Quantity:	100 µL
Target:	PARK7/DJ1 (PARK7)
Binding Specificity:	AA 1-189
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-189 of human DJ-1/PARK7 (NP_001116849.1).
Sequence:	MASKRALVIL AKGAEEMETV IPVDVMRRAG IKVTVAGLAG KDPVQCSRDV VICPDASLED AKKEGPYDVV VLPGGNLGAQ NLSESAAVKE ILKEQENRKG LIAAICAGPT ALLAHEIGFG SKVTTHPLAK DKMMNGGHYT YSENRVEKDG LILTSRGPST SFEFALAIVE ALNGKEVAAQ VKAPLVVKD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PARK7/DJ1 (PARK7)
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Target Details

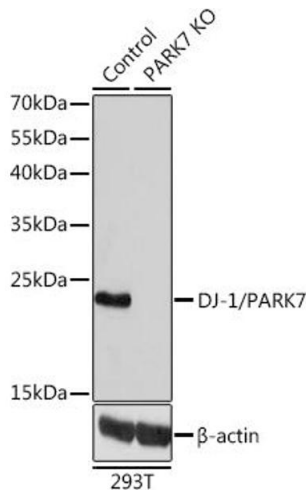
Alternative Name:	PARK7 (PARK7 Products)
Background:	The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene.,DJ-1,DJ1,GATD2,HEL-S-67p,PARK7,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,G protein signaling,Signal Transduction,Endocrine & Metabolism,Immunology & Inflammation,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,Neurodegenerative Diseases Markers,PARK7
Molecular Weight:	19 kDa
Gene ID:	11315
UniProt:	Q99497
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Proton Transport

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

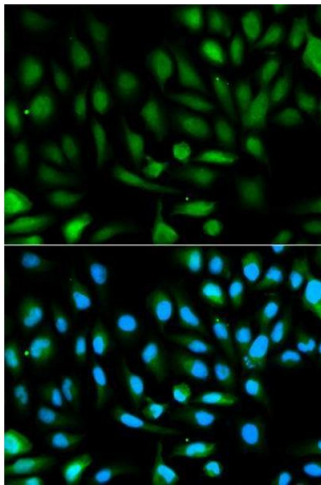
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



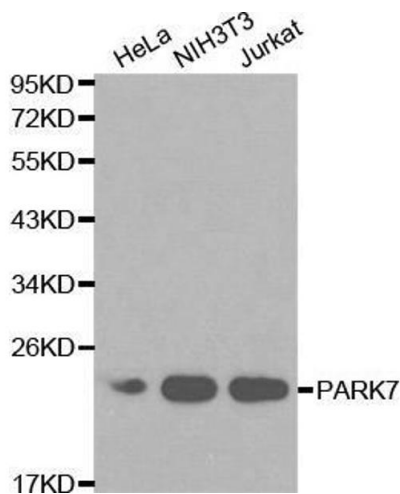
Western Blotting

Image 1. Western blot analysis of extracts from normal (control) and DJ-1/P knockout (KO) 293T cells, using DJ-1/P antibody (ABIN3021234, ABIN3021235, ABIN3021236 and ABIN1513307) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using PARK7 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PARK7 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3021235.