For Research Use Only

## PARK7/DJ-1 Polyclonal antibody

Catalog Number:11681-1-AP Featured Product

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free

in USA), or 1(312) 455-8498 (outside USA)

21 Publications

oroteintech® Antibodies | ELISA kits | Proteins www.ptglab.com

Group brand and is not available to purchase from any

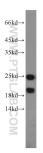
other manufacturer.

Basic Information	Catalog Number: 11681-1-AP	GenBank Accession N BC008188		ation Method: n affinity purification	
	Size: 150ul, Concentration: 1200 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG2287	GeneID (NCBI):	Recon WB 1:5 IP 0.5-2 Protein IHC 1:1 IF/ICC tosomal	mended Dilutions: 00-1:2000 4.0 ug for 1.0-3.0 mg of total Ilysate .000-1:4000 1:50-1:500	
Applications	Tested Applications:		Positive Controls: WB : HeLa cells, Jurkat cells, HEK-293 cells		
	WB, IHC, IF/ICC, IP, ELISA Cited Applications:				
	WB, IHC, IF, IP		IP:HeLa cells,		
	Species Specificity: human, mouse, rat	human kid		n gliomas tissue, human liver cancer tissue ney tissue, mouse kidney tissue, rat kidney iver tissue, mouse brain tissue, rat brain	
	Cited Species: human, mouse, rat		tissue	······	
	TE buffer pH 9.0; (*) Alternativ	vely, antigen			
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0				
Background Information	retrieval may be performed w	ith citrate of the peptidase C56 fam ng expression or stabili prons of the substantia ni- jurons via L-type channe eroxide-induced cell d as a redox-sensitive ci ivation of protease acti protein stability and le	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid eads to increased degrad	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide owth promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this	
	retrieval may be performed w buffer pH 6.0 PARK7, also named as DJ1, belongs to death. PARK7 plays a role in regulatir and SLC25A27 in dopaminergic neuro induced by calcium entry into the neu- and protects cells against hydrogen p transforming activity. It may function terminal peptide and subsequent acti- replace at 166 (L $\rightarrow$ P) reduces PARK7 protein is 20 kDa, An additional 25 kD	ith citrate of the peptidase C56 fam ng expression or stabili prons of the substantia ni- jurons via L-type channe eroxide-induced cell d as a redox-sensitive ci ivation of protease acti protein stability and le	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid ads to increased degrad d due to modification (I	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide owth promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this	
	retrieval may be performed we buffer pH 6.0 PARK7, also named as DJ1, belongs to death. PARK7 plays a role in regulatin and SLC25A27 in dopaminergic neuro induced by calcium entry into the neu- and protects cells against hydrogen p transforming activity. It may function teplace at 166 (L $\rightarrow$ P) reduces PARK7 protein is 20 kDa, An additional 25 kD	ith citrate of the peptidase C56 fam ag expression or stabili ons of the substantia ni- urons via L-type channe eroxide-induced cell di as a redox-sensitive ci- ivation of protease acti protein stability and le Da band can be observe	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid ads to increased degrad d due to modification (I	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide owth promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this PMID: 31767755).	
Background Information	retrieval may be performed w   buffer pH 6.0   PARK7, also named as DJ1, belongs to death. PARK7 plays a role in regulatin and SLC25A27 in dopaminergic neuror induced by calcium entry into the neuror and protects cells against hydrogen p transforming activity. It may function terminal peptide and subsequent acti replace at 166 (L → P) reduces PARK7 protein is 20 kDa, An additional 25 kI   Author Put Salma Akter	ith citrate the peptidase C56 fam ag expression or stabili ons of the substantia ni- prons via L-type channe- eroxide-induced cell d is as a redox-sensitive ci- vation of protease acti- protein stability and le Da band can be observer ormed ID Journ L77848 Nat Cl	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid eads to increased degrae d due to modification (I	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide with promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this PMID: 31767755). Application WB	
	retrieval may be performed w   buffer pH 6.0   PARK7, also named as DJ1, belongs to death. PARK7 plays a role in regulatir and SLC25A27 in dopaminergic neuro induced by calcium entry into the neuro and protects cells against hydrogen p transforming activity. It may function terminal peptide and subsequent actireplace at 166 (L → P) reduces PARK7 protein is 20 kDa, An additional 25 kD   Author Put Salma Akter   Jeng-Yuan Shiau 265	ith citrate the peptidase C56 fam ag expression or stabili ons of the substantia ni- prons via L-type channe- eroxide-induced cell d is as a redox-sensitive ci- vation of protease acti- protein stability and le Da band can be observer ormed ID Journ L77848 Nat Cl	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid eads to increased degrae d due to modification (I al nem Biol ased Complement Alte	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide with promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this PMID: 31767755). Application WB	
Background Information Notable Publications	retrieval may be performed w   buffer pH 6.0   PARK7, also named as DJ1, belongs to death. PARK7 plays a role in regulatir and SLC25A27 in dopaminergic neuro induced by calcium entry into the neuro and protects cells against hydrogen p transforming activity. It may function terminal peptide and subsequent actireplace at 166 (L → P) reduces PARK7 protein is 20 kDa, An additional 25 kD   Author Put Salma Akter   Jeng-Yuan Shiau 265	ith citrate b the peptidase C56 fam ng expression or stabili ons of the substantia ni- peroxide-induced cell d ivation of protease acti- protein stability and le Da band can be observed omed ID Journ 177848 Nat Cl 577148 Evid E 014921 PLoS E er shipment.	ty of the mitochondrial gra pars compacta and a ls during pacemaking. I eath. PARK7 has cell-gro naperone. It's precursor vity in response to oxid eads to increased degrae d due to modification (I al nem Biol ased Complement Alte	uncoupling proteins SLC25A14 attenuates the oxidative stress t eliminates hydrogen peroxide swth promoting activity and undergoes a cleavage of a C- ative stress. The amino acid dation. The predicted MW of this PMID: 31767755). Application WB rnat Med WB	

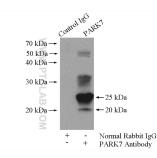
E: proteintech@ptglab.com

W: ptglab.com

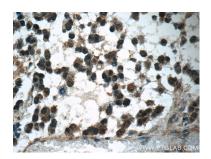
## Selected Validation Data



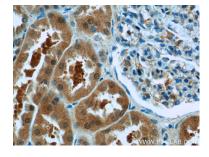
HeLa cells were subjected to SDS PAGE followed by western blot with 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



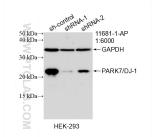
IP result of anti-PARK7/DJ-1 (IP:11681-1-AP, 4ug; Detection:11681-1-AP 1:1000) with HeLa cells lysate 1200ug.



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



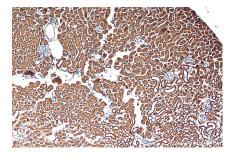
Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 11681-1-AP (PARK7/DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



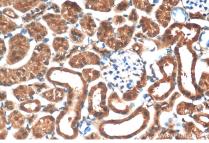
WB result of PARK7/DJ-1 antibody (11681-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PARK7/DJ-1 transfected HEK-293 cells.



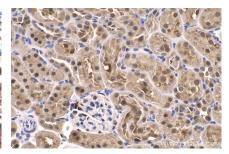
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



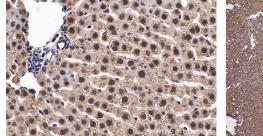
Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

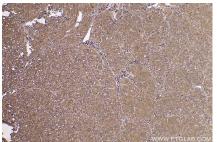


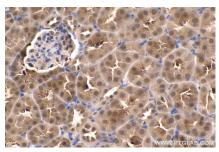
Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

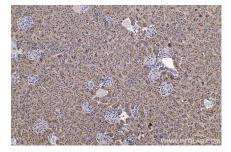




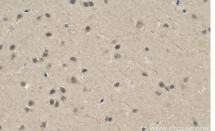


Immunohistochemical analysis of paraffinembedded rat liver tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 12000 (under 10% lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 11681-1-AP (PARK7/D)-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



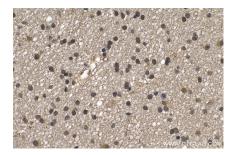
Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



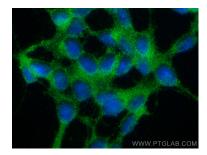
Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9:0).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using PARK7,DJ-1 antibody (11681-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).