For Research Use Only

PARK7/DJ-1 Polyclonal antibody

Catalog Number:11681-1-AP

Featured Product

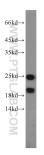
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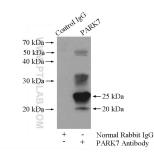
Basic Information	Catalog Number: 11681-1-AP	GenBank Accession No BC008188		ation Method: n affinity purification	
	Concentration:	GenelD (NCBI):	•	Recommended Dilutions:	
	1200 ug/ml	11315		WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:50-1:500	
	Source:	UNIPROT ID:			
	Rabbit	Q99497	•		
	Isotype: IgG Immunogen Catalog Number: AG2287	Full Name: Parkinson disease (au	IF/ICC tosomal		
		recessive, early onset) 7		
		Calculated MW: 189 aa, 20 kDa			
		Observed MW: 20 kDa, 25 kDa			
Applications	Tested Applications:		Positive Controls:		
			WB: HeLa cells, Jurka	cells, Jurkat cells, HEK-293 cells	
	Cited Applications: IP : HeLa c WB, IHC, IF, IP		IP : HeLa cells,	ells,	
	Species Specificity: human, mouse, rat	IHC : human gliomas tissue, hun human kidney tissue, mouse kid		mouse kidney tissue, rat kidney	
	Cited Species:		tissue	ver tissue, mouse brain tissue, rat brain	
	human, mouse, rat	human, mouse, rat IF/ICC : SH-SY5Y cells,			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
		rs to the pentidase (56 fan	nily. It protects cells ag		
Background Information	PARK7, also named as DJ1, belon death. PARK7 plays a role in regu and SLC25A27 in dopaminergic n induced by calcium entry into the and protects cells against hydrog transforming activity. It may func terminal peptide and subsequent replace at 166 (L → P) reduces PA protein is 20 kDa, An additional 2	ating expression or stabili eurons of the substantia ni neurons via L-type channe en peroxide-induced cell du tion as a redox-sensitive cl activation of protease acti RK7 protein stability and le	gra pars compacta and ls during pacemaking. eath. PARK7 has cell-gr haperone. It's precursor vity in response to oxic eads to increased degra	uncoupling proteins SLC25A14 attenuates the oxidative stress It eliminates hydrogen peroxide owth promoting activity and undergoes a cleavage of a C- lative stress. The amino acid dation. The predicted MW of this	
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

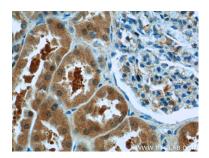
Selected Validation Data



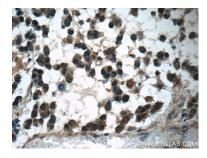
HeLa cells were subjected to SDS PAGE followed by western blot with 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



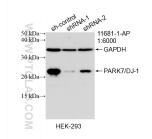
IP result of anti-PARK7/DJ-1 (IP:11681-1-AP, 4ug; Detection:11681-1-AP 1:1000) with HeLa cells lysate 1200ug.



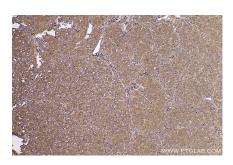
Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 11681-1-AP (PARK7/DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



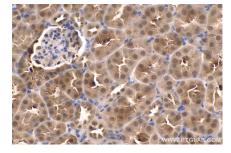
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 Antibody) at dilution of 1:50 (under 40x lens).



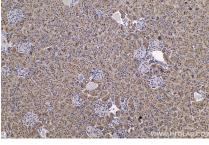
WB result of PARK7/DJ-1 antibody (11681-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PARK7/DJ-1 transfected HEK-293 cells.



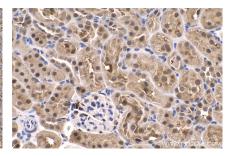
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



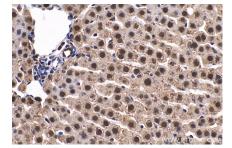
Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

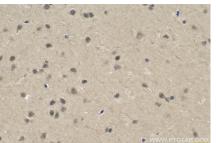


Immunohistochemical analysis of paraffinembedded rat kidney tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat 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).

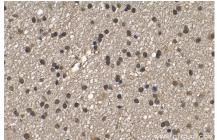






Immunohistochemical analysis of paraffinembedded rat liver tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 11681-1-AP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

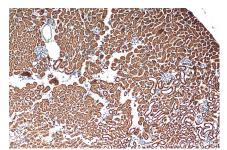
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



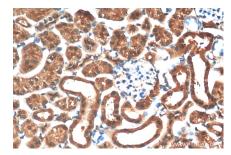
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



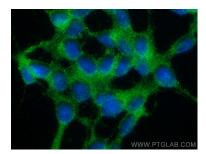
Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 11681-1-AP (PARK7/DJ-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).