

PARK7/DJ1 Rabbit mAb

Catalog No: #49058

Package Size: #49058-1 50ul #49058-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

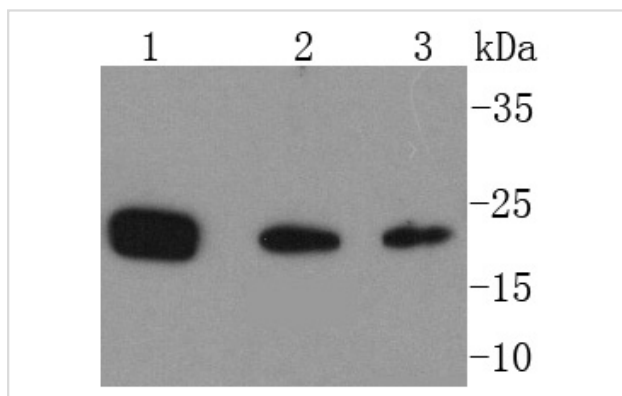
Description

Product Name	PARK7/DJ1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN07-21
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CAP1 antibody DJ-1 antibody DJ1 antibody DJ1 protein antibody Epididymis secretory sperm binding protein Li 67p antibody FLJ27376 antibody FLJ34360 antibody FLJ92274 antibody HEL S 67p antibody Oncogene DJ1 antibody OTTHUMP00000001348 antibody OTTHUMP00000001349 antibody OTTHUMP00000001350 antibody OTTHUMP00000001351 antibody PARK7 antibody PARK7_HUMAN antibody Parkinson disease (autosomal recessive, early onset) 7 antibody Parkinson disease protein 7 antibody Parkinson protein 7 antibody Protein DJ-1 antibody SP22 antibody
Accession No.	Swiss-Prot#:Q99497
Uniprot	Q99497
GeneID	11315;
Calculated MW	20 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

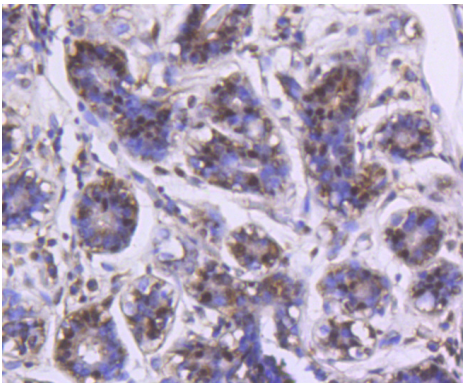
Application Details

WB: 1:1,000-1:2,000 IHC: 1:100-1:500 ICC: 1:100-1:500FC: 1:50-1:100

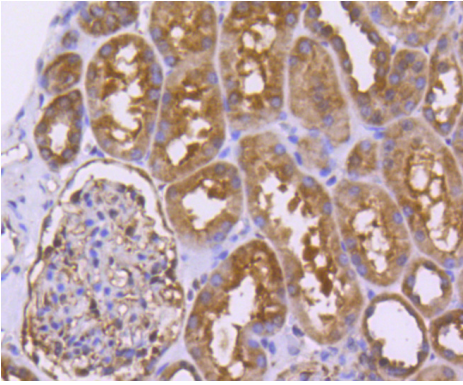
Images



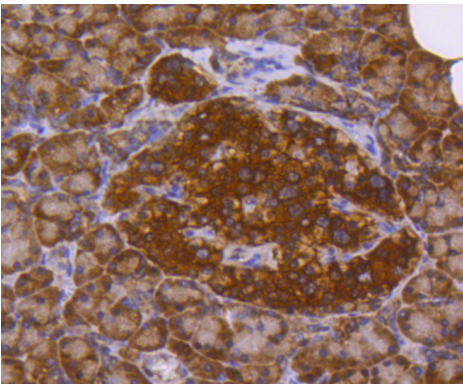
Western blot analysis of PARK7 on different lysates using anti-PARK7 antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela Lane 2: Jurkat Lane 3: NIH/3T3



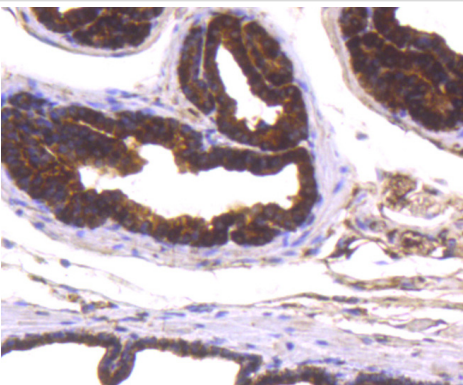
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-PARK7 antibody. Counter stained with hematoxylin.



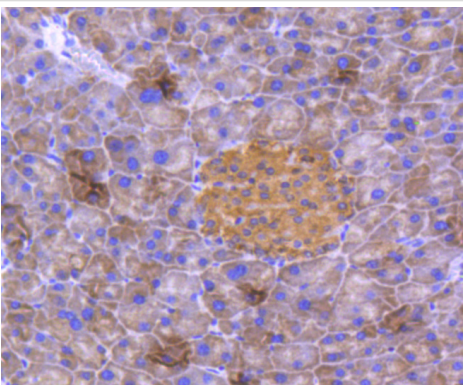
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PARK7 antibody. Counter stained with hematoxylin.



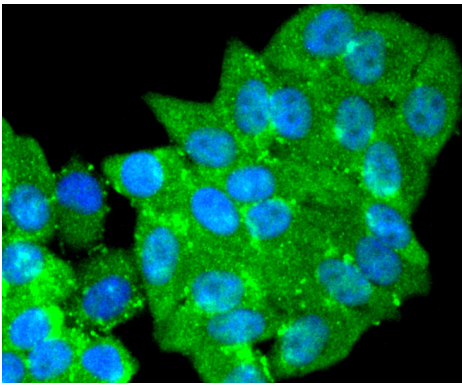
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-PARK7 antibody. Counter stained with hematoxylin.



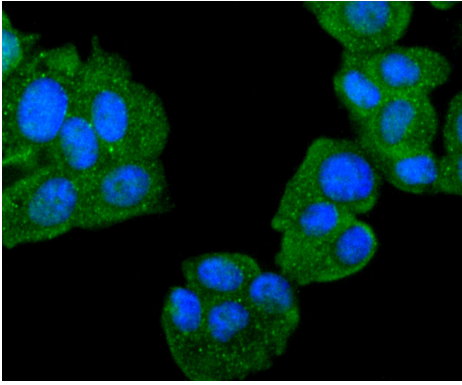
Immunohistochemical analysis of paraffin-embedded mouse prostate tissue using anti-PARK7 antibody. Counter stained with hematoxylin.



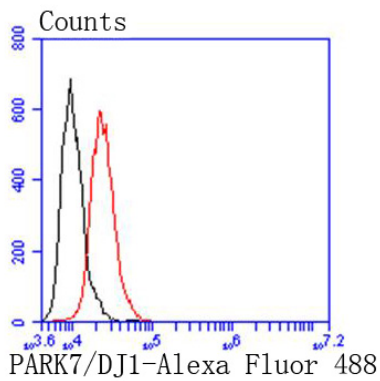
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-PARK7 antibody. Counter stained with hematoxylin.



ICC staining PARK7 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PARK7 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HepG2 cells with PARK7 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

PARK7/DJ1 is a ubiquitously expressed protein involved in various cellular processes including cell proliferation, RNA-binding, and oxidative stress. The protein has been found to colocalize within a subset of pathologic tau inclusions in a diverse group of neurodegenerative disorders known as tauopathies. Defects in PARK7/DJ1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (PARK7). Parkinson's disease (PD) is a complex, multifactorial disorder that typically manifests after the age of 50 years. The disease is characterized by bradykinesia, resting tremor, muscular rigidity and postural instability. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain. PARK7 is characterized by onset before 40 years and slow progression. It has also been suggested that PARK7/DJ1 is a mitogen dependent oncogene product involved in Ras related signal transduction pathways.

References

Note: This product is for in vitro research use only