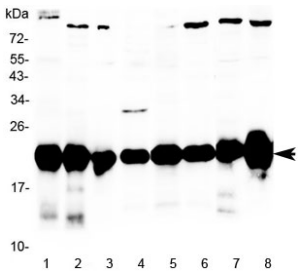
Park7 Antibody / DJ-1 (R32861)

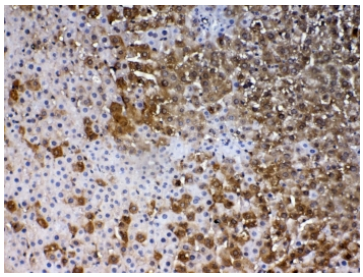
Catalog No.	Formulation	Size
R32861	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

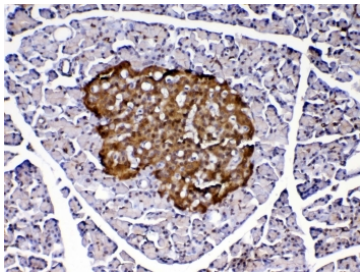
Availability	1-3 business days
Species Reactivity	Rat, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O88767
Localization	Cytoplasmic, nuclear
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml ELISA (Capture; recombinant rat protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This Park7 antibody is available for research use only.



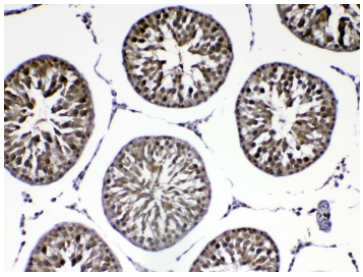
Western blot testing of rat 1) pancreas, 2) kidney, 3) skeletal muscle, 4) liver, 5) testis, 6) heart, 7) mouse kidney and 8) mouse skeletal muscle lysate with Park7 antibody at 0.5ug/ml. Predicted molecular weight ~20 kDa.



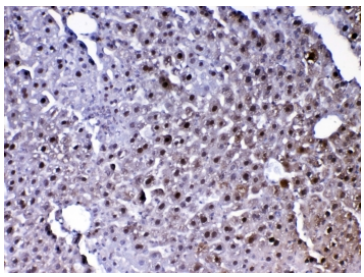
IHC testing of FFPE rat liver tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



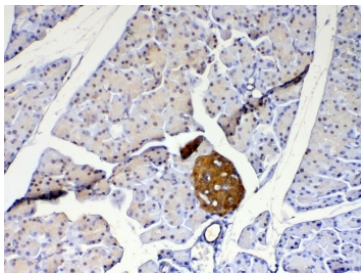
IHC testing of FFPE rat pancreas tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



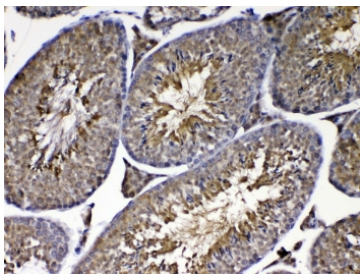
IHC testing of FFPE rat testis tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse liver tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse pancreas tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse testis tissue with Park7 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

Parkinson disease (autosomal recessive, early onset) 7, also known as DJ1, is a protein which in humans is encoded by the PARK7 gene. PARK7 belongs to the peptidase C56 family of proteins. PARK7 is mapped to chromosome 1p36. It acts as a positive regulator of androgen receptor-dependent transcription. It is also involved in tumorigenesis and in maintaining mitochondrial homeostasis. This gene may also function as a redox-sensitive chaperone, as a sensor foroxidative stress, and it apparently protects neurons against oxidative stress and cell death. It has been found that PARK7 mutations that impair transcriptional coactivator function can render dopaminergic neurons vulnerable to apoptosis and may contribute to the pathogenesis of Parkinson disease.

Application Notes

Optimal dilution of the Park7 antibody should be determined by the researcher.

Immunogen

A recombinant rat protein corresponding to amino acids A2-D189 was used as the immunogen for the Park7 antibody.

Storage

After reconstitution, the Park7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.