

Datasheet for ABIN5647859  
**anti-PARK7/DJ1 antibody**



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4 Images

## Overview

Quantity:	100 µg
Target:	PARK7/DJ1 (PARK7)
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARK7/DJ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA (Capture)

## Product Details

Immunogen:	A recombinant mouse protein corresponding to amino acids A2-D189 was used as the immunogen for the DJ-1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

## Target Details

Target:	PARK7/DJ1 (PARK7)
Alternative Name:	DJ-1 / Park7 ( <a href="#">PARK7 Products</a> )
Background:	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

## Target Details

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 for oxidative 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.

UniProt: [Q99LX0](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Proton Transport](#)

## Application Details

Application Notes: Optimal dilution of the DJ-1 antibody should be determined by the researcher. Western Blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL, ELISA (Capture, recombinant mouse protein): 0.1-0.5 µg/mL (BSA-free format available)

Restrictions: For Research Use only

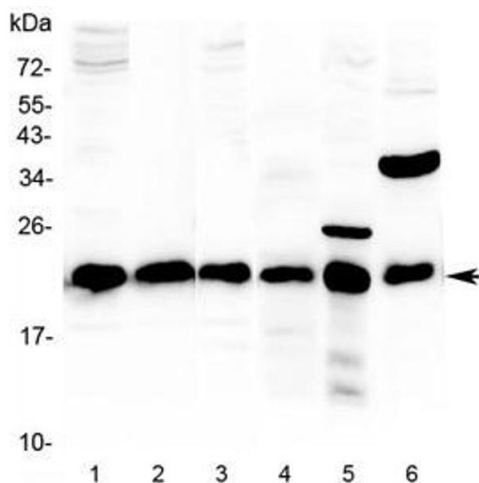
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

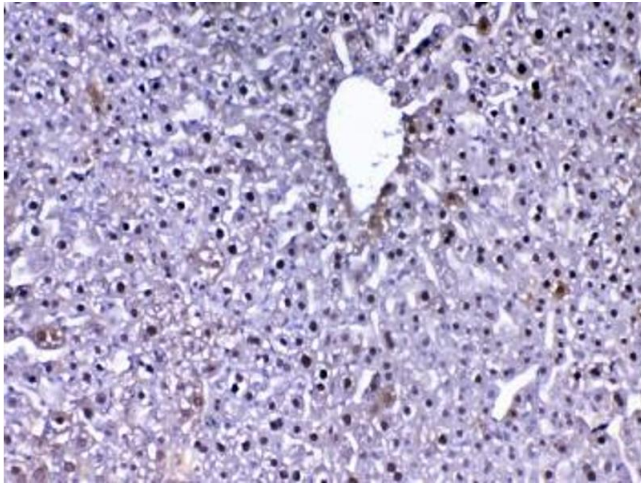
Storage Comment: After reconstitution, the DJ-1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



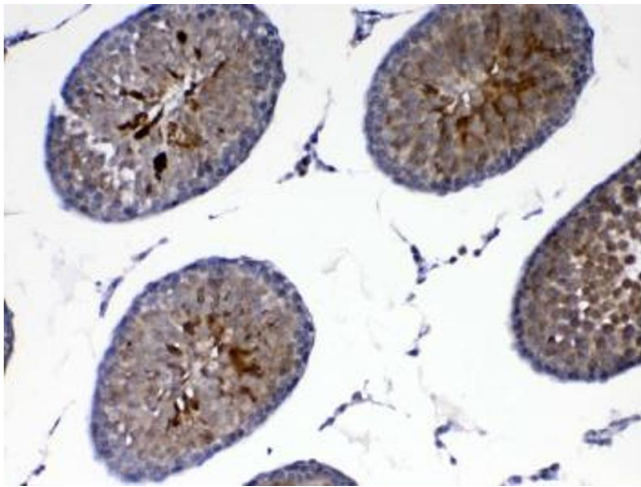
### Western Blotting

**Image 1.** Western blot testing of 1) rat pancreas, 2) testis, 3) liver, 4) mouse pancreas, 5) mouse kidney and 6) mouse skeletal muscle lysate with DJ-1 antibody at 0.5 µg/ml. Predicted molecular weight ~20 kDa.



#### Immunohistochemistry

**Image 2.** IHC testing of FFPE mouse liver tissue with DJ-1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



#### Immunohistochemistry

**Image 3.** IHC testing of FFPE rat testis tissue with DJ-1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5647859.