

DJ-1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_009193.2

Catalog No. A300-744A

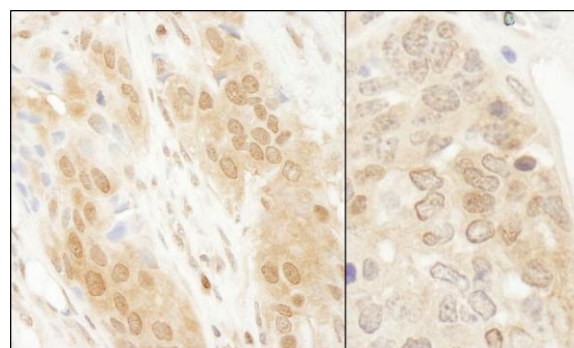
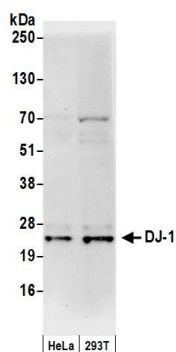
GeneID 11315

Lot No. A300-744A-1



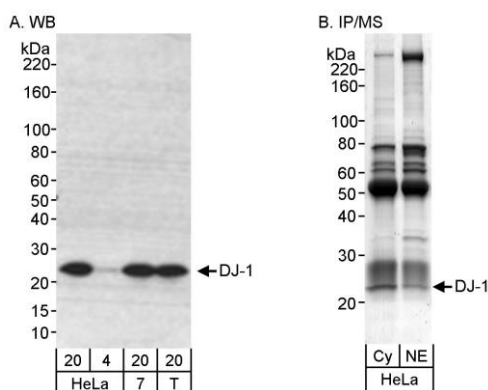
APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to DJ-1 immobilized on solid support.</p> <p>The epitope recognized by A300-744A maps to a region between residue 140 and the C-terminus (residue 189) of human DJ-1 (PARK7, Parkinson Disease 7) using the numbering given in entry NP_009193.2 (GeneID 11315).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 - 1:10,000</p> <p>Immunoprecipitation 2 - 5 µg/mg lysate</p> <p>Immunohistochemistry 1:500 - 1:2,000. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.</p>
APPLICATION NOTES	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-12% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.</p>
IHC HUMAN CONTROLS	Breast Carcinoma, Prostate Carcinoma
IHC MOUSE CONTROLS	Teratoma
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-744A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human DJ-1 by western blot. *Samples:* Whole cell lysate (50 μ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-DJ-1 antibody A300-744A (lot A300-744A-1) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of human and mouse DJ-1 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma (left) and mouse teratoma (right). *Antibody:* Affinity purified rabbit anti-DJ-1 (Cat. No. A300-744A Lot1) used at a dilution of 1:1,000 (0.2 μ g/ml). *Detection:* DAB



Detection of human DJ-1 by western blot and immunoprecipitation/Mass Spectrometry. *Samples:* A) Whole cell lysate from HeLa (20 and 4 μ g for WB), MCF-7 (7; 20 μ g) and HEK293T (T; 20 μ g) cells. B) Cytosolic and nuclear extract (10 mg/IP) from HeLa S3 cells. *Antibodies:* Affinity purified rabbit anti-DJ-1 antibody (Cat.No. A300-744A) used for WB at 0.1 μ g/ml (A) and for IP at 0.7 μ g/mg lysate (B). *Detection:* Chemiluminescence with an exposure time of 5 sec (A) and vMALDI-LTQ and LC-MS/MS of Coomassie stained bands (B).