

## Datasheet: VPA00325K

<b>Description:</b>	DJ-1 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	DJ-1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	10 Westerns

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).**

The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	100µl Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	KLH-conjugated synthetic peptide corresponding to aa 130-164 of human DJ-1

### External Database Links

**UniProt:**  
[Q99497](#)   [Related reagents](#)

**Entrez Gene:**  
[11315](#)   PARK7   [Related reagents](#)

### Specificity

**Rabbit anti Human DJ-1 antibody** recognizes the oncogene DJ-1, also known as Parkinson disease (autosomal recessive, early onset) 7, PARK-7 and epididymis secretory sperm binding protein Li 67p

Encoded by the PARK7 gene, oncogene DJ-1 belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It 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. Defects in PARK7 gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for PARK7 (provided by RefSeq, Jul 2008).

Rabbit anti Human DJ-1 antibody detects a band of 22 kDa. The antibody has been extensively validated for western blotting using whole cell lysates. This antibody is available with a positive control lysate, in a smaller trial size, and as a standalone antibody.

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**Western Blotting** Anti DJ-1 detects a band of approximately 22 kDa in HeLa cell lysate

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Lysate Composition** 400µg HeLa lysate lyophilized in RIPA buffer

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**Lysate Reconstitution** - If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.  
- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.  
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

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**Storage** Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

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**Shelf Life** As supplied, 12 months from date of despatch

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet Documentation #10040 for antibody available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>  
Lysate Material Safety Datasheet Documentation #10561 available at <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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