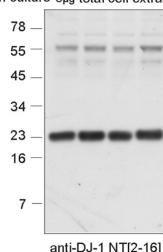




## Rabbit polyclonal antibody to DJ-1/PARK7: IgG

|                            |   |
|----------------------------|---|
| <b>Catalogue No.:</b>      | R-1682-500  |
| <b>Description:</b>        | Autosomal recessive mutations in DJ-1 cause early-onset familial Parkinson's disease. DJ-1 is considered a redox-sensitive cytoplasmic protein found in brain as well as other cell types.  |
| <b>Batch No.:</b>          | See product label   |
| <b>Unit size:</b>          | 500 ug  |
| <b>Antigen:</b>            | A synthetic peptide (ASKRALVILAKGAE-C) corresponding to human DJ-1 [2-16] in the N-terminal domain conjugated via additional C-terminal Cys to Diphtheria toxoid.   |
| <b>Antibody Type:</b>      | Polyclonal  |
| <b>Other Names:</b>        | PARK7   |
| <b>Produced in:</b>        | Rabbit  |
| <b>Applications:</b>       | WB and IHC. Suggested dilution of 1:5,000 is recommended for WB. DJ-1 is a soluble protein of 189 amino acids and detected with 23 kDa mobility by western blotting. The suggested dilution for IHC is 1:100. Detected astrocyte cytoplasmic labelling in human brain formaldehyde-treated tissue. Biosensis recommends that the optimal working dilution should be determined by the end user. |
| <b>Specificity:</b>        | Confirmed by WB using soluble mouse and human brain extracts, reactivity for major product diminished by peptide absorption.  |
| <b>Species Against:</b>    | Human and mouse DJ-1 are highly conserved, so cross-reactivity with other species is expected.  |
| <b>Form:</b>               | Lyophilized from PBS, pH 7.4. Contains no preservative.   |
| <b>Reconstitution:</b>     | Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.   |
| <b>Storage:</b>            | Short term storage at 2-8°C for one week. At -20°C as an undiluted liquid for up to 12 months.  |
| <b>Expiry Date:</b>        | 12 months after purchase  |
| <b>General References:</b> | Sonia George, Su San Mok, Milawaty Nurjono, Scott Ayton, David I. Finkelstein, Colin L. Masters, Qiao-Xin Li & Janetta G. Culvenor (2010) alpha-Synuclein Transgenic Mice Reveal Compensatory Increases in Parkinson's Disease-Associated Proteins DJ-1 and Parkin and Have Enhanced alpha-Synuclein and PINK1 Levels After Rotenone Treatment <i>J Mol Neurosci</i> 42:243_254                 |

Primary embryonic mouse cortical neurons after 7 days in culture 5µg total cell extract per lane



Western blotting for DJ-1 in extracts of primary cultured neurons. Samples resolved on 10% Tris-tricine gels and transferred to nitrocellulose membrane for blotting.

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